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The Chemical Market Authority Since 1871

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Volume 146 No. 14 — Schnell Publishing Company, Inc., Publishers — October 2, 1944

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Oil, Paint and Drug Reporter

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Vol. 146 No. 14 New York 7, N. Y. October 2, 1944

Webb-Pomerene Law Scope to Be Defined

OPD Washington Bureau

Initial steps which are expected ultimately to define the limits of the Webb-Pomerene law permitting industries to form cooperative associations in export trade to meet the competition of foreign sellers in foreign markets were taken this week with the opening of hearings by the Federal Trade Commission in its investigation of the operations of the Florida Hard Rock Phosphate Export Association.

The hearings, which began September 25, continued for three days and then recessed until a date to be announced later because E. F. Fitch, member of the executive committee of the association was unable to be present for testimony because of illness. It is expected that the hearings will stay in recess until October 23 when the commission plans to start its investigation of the Phosphate Export Association, made up of members producing pebble phosphate.

The inquiry being conducted by the commission is described more or less as a "friendly" investigation in order to determine how far the law was intended to go in permitting industries to band together to promote its interests in the foreign markets. It is important, however, in view of the fact that other agencies of the government are now attempting to frame a policy on international trade for the postwar period and the Webb-Pomerene law figures importantly in this situation. There have been but few court interpretations of the law since its enactment nor has the commission ever issued any regulations covering its administration.

Chemical Labor Advisers Disbanded by Walling

Industry advisory committees in the chemical and related fields, set up under the fair labor standards act to assist the Secretary of Labor in fixing wage minimums under that act, were abolished under an order signed September 20 by L. Metcalf Walling, administrator of the Wage and Hour Division and just made public.

The committees were dissloved because their functions have been completed and the recommendations they had made have been carried into effect by the administrator in wage orders issued under section 8 of the act. Among the committees abolished are:—

Committee 24 for the clay products industry.

Committee 53 for the metal, plastics, machinery, instrument, and allied industries.

Committee 57 for the cottonseed and peanut crushing industry.

Committee 58 for the vegetable fats and oils industry.

Committee 60 for the chemical, petroleum and coal products, and allied manufacturing industries.

Committee 63 for the wholesaling, warehousing, and other distribution industries.

Committee 65 for the bakery, beverage, and miscellaneous food industries.

Committee 66 for the natural gas extraction industries.

Dr. Toch Testimonial Dinner October 27

Dr. Maximilian Toch, internationally known paint technologist, has been elected an honorary member of the American Institute of Chemists, according to an announcement by Dr. Gustav Egloff, president. Dr. Toch will be tendered a testimonial dinner October 27.

Dr. Toch, president of Toch Brothers, Inc., and vice-president of Standard Varnish Works, Inc., is a charter member and former president of the American Institute of Chemists. He holds the LL.B. degree from New York University, the C. E. degree from Cooper Union, and the honorary Sc. D. degree from the University of Peking, China, where he was honorary professor in 1924.

Koppers to Build Phthalic Plant

A plant having a capacity to produce 7,000,000 pounds of phthalic anhydride will be built at Kobuta, Pa., according to J. N. Forker, vice-president of the Koppers Company and general manager of the tar and chemical division. The plant is scheduled to be in operation early next Spring.

Decision to build the plant at Kobuta, where Koppers United Company now operates a 200-acre synthetic rubber chemicals plant that last year produced 22 percent of all butadiene used in the government's synthetic rubber program, follows the company's plan to establish an increasing amount of its chemical recovery equipment in that Beaver valley community, Mr. Forker stated.

Chemical and Drug Surpluses Handled

As of September 15 the Reconstruction Finance Corporation had acquired $3,328,980 worth of chemicals from other owning agencies as surplus property and had sold $421,946 worth of these chemicals for $257,905, according to a tabulation of surplus property disposals by RFC made public September 28 by Secretary of Commerce Jesse Jones. This was an increase in the acquisitions of $652,955 since August 31. During the fifteen-day period from August 31, RFC sold $203,080 worth of chemicals for $67,335.

The tabulation also showed that, at September 15, RFC had acquired $16,744 worth of drugs and medicines and had sold $6,407 worth of the products for $2,150. Other acquisitions and sales reported by the secretary were:—Crude animal products, inedible, $35,046 acquired, none sold; crude vegetable products, inedible, $13,950 acquired, none sold; crude nonmetallic minerals, except coal and petroleum, $11,185 acquired, none sold; oils, fats, waxes, and derivatives, animal and vegetable, $56 acquired, none sold; nonferrous metals, $786,813 acquired, $75,641 sold for $35,861; plants and real estate, industrial, $1,007,062 acquired, $1,162 sold for $375.

Fluorine Residue Limited on Fruit

An order limiting the amount of fluorine that may remain as an insecticidal residue on apples and pears to not more than 7 milligrams, calculated as F, per kilogram of each such fruit, was issued September 28 by the Food and Drug Administration. The regulation becomes effective in nineteen days.

The order was based on the grounds the fluorine and many of its compounds are poisonous and deleterious substances and that the amount remaining on fruit offered for sale to the public should therefore be as low as practicable.

F.P.V.P.C. and A.S.T.M. Form Joint Committee

A joint committee has been formed by the Federation of Paint and Varnish Production Clubs and the American Society for Testing Materials for the purpose of evaluating and approving test methods and investigating other problems of common interest to the two organizations. It is called the joint committee on paints, varnishes, and lacquers.

The members of this committee are:—

F.P.V.P.C. representatives, R. W. Matlack, chairman; P. O. Blackmore, and K. J. Howe; A.S.T.M. representatives, R. D. Bonney, chairman; H. A. Nelson and C. H. Rose.

Flaxseed, Casein Curtailment Not Near Under Argentine Ban

OPD Washington Bureau

The sudden ban placed by the Department of State on northbound shipping in American bottoms from Argentine ports, effective October 1, is not expected to make any changes in fourth-quarter allocations of casein or linseed oil for the paint industry, it was indicated by officials of the War Production Board and the War Food Administration September 27. As to what the future holds for the first quarter of 1945, however, officials said that they could not even speculate at this time.

While officials emphasized that no firm decision has yet been arrived at on the fourth-quarter distribution programs, they pointed out that supplies of both casein and linseed oil are adequate to meet requirements as programmed and indicated strongly that they may await events of the fourth quarter to see how importantly the Department of State's ban bears on incoming supplies of these two materials.

No figures could be divulged on the quantities of casein and linseed oil that have been moving up from Argentine in American bottoms, but it was stated that a goodly portion has been moving in Argentine flagships and the vessels of other nations. It is to be expected that these shipments will continue as in the past, and possibly increase, depending upon whether Argentina decides to make the most of a bad situation or attempts by way of retaliation to divert her ships to other routes.

Casein Easy—Flaxseed Tight

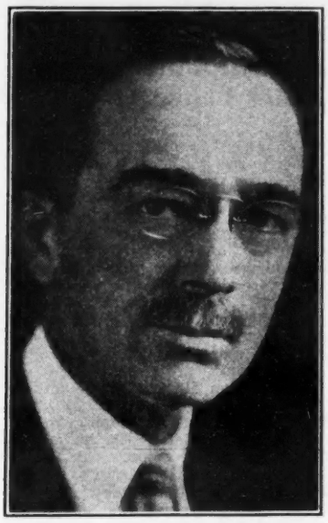
Casein supplies have eased considerably during the past year to the point where, in the third quarter, it was possible to grant all allocations requested by all groups with the exception of paint, which was allowed 100 percent of 1942 use. Casein for plastics was allowed at the rate of 120 percent of 1942 consumption.

In the case of linseed oil, the reverse has been true. Whereas, in the early part of the year there was every reason to believe that supplies were adequate for liberal apportionment among consuming industries, increasingly heavier shipments of the oil to Russia, plus a short flaxseed crop this year both here and in Canada, cut into stocks to a point where the paint

—*Continued on page 50*

Pittsburgh Plate Glass Recalls Clarence Brown

Clarence M. Brown, Philadelphia attorney, has been recalled as chairman of the Pittsburgh Plate Glass Company to fill the post left vacant August 13 by the death of H. S. Wherrett. Leland Hazard, general counsel, was elected vice-president; H. B. Higgins, president, was named chairman of the executive committee and H. B. Brown, secretary, was elected to the board.



Clarence M. Brown

Standard Oil Forum To Discuss Research

The commercial application of industrial research will be discussed by scientists, government officials, and businessmen at a forum, sponsored by the Standard Oil Development Company, central research organization of the Standard Oil Company (New Jersey), October 5 in the Waldorf-Astoria, New York. The event will mark the twenty-fifth anniversary of the research unit. It is designed to recognize the increasing business consciousness of the importance of research from the commercial angle.

As Frank A. Howard, president of the development company, puts it:—

Many new problems now face those concerned with industrial research. Problems of conversion from war to peace are mounting in importance, and the time is nearing when these questions will have to be met. The effect of industrial research on the entire business structure has been a matter for

—*Continued on page 60*

Elmer Bobst Quitting as Hoffmann-La Roche Head

Elmer H. Bobst is resigning as president and general manager of Hoffmann-LaRoche, Inc., pharmaceutical manufacturer, Nutley, N. J. For a time, at least, he will continue his association with the company in a consulting capacity. L. D. Barney, business manager for the Wisconsin Alumni Research Foundation, will succeed Mr. Bobst in the managerial post.

Olive Oil Supply Blocked by Spain

OPD Washington Bureau

Problems being encountered by American importers of olive oil with the Spanish government because of the failure of that government to set a maximum price for shipment of the oil to this country are being looked into by the Department of State, it was made known September 28.

The Spanish government recently agreed to release about 3,000 tons of olive oil to the United States. The imports were to be handled through private trade channels, but, to date, none of the transactions has been consummated because the Spanish government has failed to set an export price.

At the Department of State it was said that it has been informed of the difficulties met by the importers, and that steps are being taken by the department seeking a solution of the problem.

R.R. Freight Suspension Hearing October 23

OPD Washington Bureau

A hearing will be held October 23 by the Interstate Commerce Commission on the question of again suspending the proposed increase of approximately 6 percent in railroad freight rates under ex-parte 148.

The increased rates which had been scheduled to go into effect in 1942 have been suspended on several occasions and the increase presently is under suspension until January 1. Several petitions have been made to the commission that the increase be suspended indefinitely, instead of for periods of six months at a time as has been the practice in the past.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Sept. 29 1944	Sept. 22, 1944	Oct. 1, 1943
137.5	136.6	137.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

A good bit of price activity in both directions was manifested last week among sellers of botanical drugs. The net result was a small depression of the price average. There was a bigger dip in the average for drugs and fine chemicals. But, these were not sufficient to balance advances in some rosins and a boost in egg albumen prices, showing them up to 322 percent of their prewar figure, and the general price average of the markets for chemicals, oils, and drugs was noticeably elevated.

Business ran along in its usual tenor, with much talk about what was going to be, and much guessing about when. The sum total or net result of various pronouncements by the several regulatory war agencies was a bit more tightening of things as a whole, albeit some popular lines were loosened.

Export Control to Ease On Germany's Fall

OPD Washington Bureau

President Roosevelt, September 29, instructed the foreign economic administration to lift, upon the defeat of Germany, all controls over exports that are unnecessary to bring about an early defeat of Japan.

The instructions were contained in point one of an eight-point statement of major policies to be followed by FEA, when German resistance is overcome. Other points in the policy statement were that FEA should cut its foreign procurement of strategic and critical raw materials and its preclusive buying operations to the level needed for continuing the war with Japan,

Rubber Study Planned By International Group

OPD Washington Bureau

Participation by the United States in an informal rubber study, as an outgrowth of the exploratory rubber talks recently concluded in London was announced September 22 by the Department of State. The study will be made by representatives of the governments of The Netherlands, the United States, and the United Kingdom, who will meet from time to time to discuss common problems arising from the production, manufacture, and use of crude, synthetic, and reclaimed rubber.

Studies will be initiated and possible solutions of rubber problems will be considered. The group as such will not formulate and transmit recommendations to the participating governments; although the latter will be kept fully informed by the proceedings of the group through their representatives. Arrangements will be made for other interested governments to be kept informed of the studies made and of the results of the discussions as far as practicable.

Meanwhile, Senator Guy M. Gillette of Iowa, chairman of a subcommittee of the senate that has been investigating the synthetic rubber situation from the standpoint of expanding use of grain alcohol in its manufacture, expressed disappointment in the department's decision to engage in the rubber talks. In a letter to Secretary of State Hull, citing the painstaking work over the past two and one-half years in developing a synthetic rubber industry in the United States, Senator Gillette said that his subcommittee was "loth indeed to note any steps in the direction of again making our nation dependent on any foreign nation or group of nations with monopolistic control of natural rubber supply, in whole or in part."

F.P.V.P.C. Meeting Program Issued

The program for the Fall technical symposium of the Federation of Paint and Varnish Production Clubs, to be held in the Hotel Pennsylvania, New York, October 24 and 25, follows:—

Tuesday, October 24

Morning Session

President's message, J. J. Mattiello, president of federation.

Address, Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association.

"The Availability of Paint Raw Materials After the Termination of the European War," B. M. Belcher, deputy chief, Protective Coating Division, War Production Board.

"Cooperation in Industrial Developments," D. B. Keyes, director, Office of Production, Research and Development, War Production Board.

"British Paint Industry," representatives of Birmingham Paint, Varnish and Lacquer Club of England.

"Views of Paint Manufacturing in England," Edwin L. Hobson, major, Office of Quartermaster-General, U. S. Army.

"Cooperative Activities of the Scientific Section," H. A. Gardner, director of the Scientific Section, National Paint, Varnish and Lacquer Association.

Afternoon Session

"Evaluation of Synthetic Rubbers for Use in Protective Coatings," Philadelphia Club.

—Continued on page 50

Excess Profits Tax Relief Limited

OPD Washington Bureau

The Bureau of Internal Revenue ruled this week that the fertilizer industry, the petroleum industry, and thirty-two other industries cannot claim relief from excess profits taxes under the provisions of section 722 (b)(3)(A) of the internal revenue code on the grounds that their earnings were depressed during the base period 1936-39 because of a variant profits cycle; that is, a profits cycle differing materially in length and amplitude from the general business cycle.

The bureau did not close the door completely against individual members of the industries coming in and pleading for relief under the section, but said that the evidence before the bureau indicates that it is "unlikely" that an industry included in these groups has a profits cycle that might qualify taxpayers belonging to that industry for relief." The bureau says it recognizes that exceptional industries may be included in these groups, for which it does not as yet have adequate information, and it is receptive to statistical and other data which will aid in establishing the profits cycle of such industries for the purpose of section 722.

The thirty-four industrial groups covered by the ruling—additional de-

—Continued on page 57

Rotenone Quota Denied For Flea-Control Use

Because of the extremely restricted supply, the War Production Board has revised its earlier plans for releasing a limited amount of rotenone for the manufacture of preparations used in the control of fleas and ticks on human beings and household animals.

According to officials of the WPB Chemicals Bureau, no rotenone can be made available for flea-control preparations at this time; a small amount will be available for the manufacture of tick-control preparations for distribution solely in tick-infested areas where human life is endangered by Rocky Mountain spotted fever.

Manufacturers should apply for allocations on Form WPB 2945 through the Insecticides and Fungicides Unit, Chemicals Bureau, room 1626 Temporary S building, Washington 25. Allocations will be based on the average of purchases during 1940, 1941, and 1942.

Davis Co. Plans Plant

H. B. Davis Company, manufacturer of paint, Baltimore, has purchased a tract of land near its plant and plans to erect a factory for the John Masury Company, an affiliate, in the postwar era.

Wischhusen to Promote Tenn-Eastman Manganese

J. F. Wischhusen has resigned his position as division manager for the Harshaw Chemical Company at its Cleveland, Ohio, office and is now

J. F. Wischhusen

director of a Manganese Research and Development Foundation sponsored by the Tennessee Eastman Corporation, Kingsport, Tenn.

Until he has completed a survey of soil needs of manganese to determine the location of his headquarters, Mr. Wischhusen will operate from his home at 15031 Shore Acres drive, Cleveland 10, Ohio. His work will involve cooperation with other agencies conducting researches directed to the improvement in quality and quantity of crops through the application of manganese sulphate, which the Tennessee Eastman Corporation is developing under the name, "Tecmangam."

Mr. Wischhusen became interested in soil fertility when he became president of the Superfos Company at the time of its foundation in 1920. When he went with the Harshaw, Fuller & Goodwin Company in 1928, he carried with him a keen interest in the role of minor mineral elements—manganese, copper, cobalt, fluorine, iodine, and others—in the maintenance of balanced fertility. His theory is that these elements should constitute approximately 5 percent of the composition of the plantfood used to maintain proper soil conditions for optimum crop production.

South American Cargo Availability Easing

OPD Washington Bureau

Reflecting a further easing of shipping requirements to South America, the Foreign Economic Administration has announced that, effective October 15, exporters will no longer need to file statements of cargo availability (FEA form 138) for shipments, other than newsprint, to Bolivia, Ecuador, Chile, Colombia, Peru, and Venezuela. Effective November 1, the statement will not be required, except for newsprint, for shipments to Brazil, Uruguay, and Paraguay. Statements of cargo availability will continue to be needed in the case of shipments to Argentina.

Chemicals Distribution To Be Streamlined

A major change in the present system of distributing chemicals that will permit consumers to obtain supplies from whatever source available to facilitate the handling of controlled materials in the reconversion period is contemplated by the Chemicals Bureau of the War Production Board. Under an amendment to the general chemical order M-300, soon to be issued, the bureau could authorize suppliers to set aside either for designated enduses or classes of enduses, or for any enduse desired, specific amounts of an allocated chemical for distribution for a normal commercial channel.

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Bids Wanted

Alcohol:—Procurement Division, Veterans Administration, Washington (25); invitation 126, opening October 9.

Aluminum Sulphate:—4 tons, Supply Officer, Veterans Administration, Murfreesboro, Tenn.; invitation 45-76, opening October 5.

Bleaching Material:—300 pounds, Purchasing Agent, District Government, Washington (4); schedule 6054, opening October 5.

Butane-Propane Gas:—5,000 gallons, Purchasing Agent, Department of the Interior, Bureau of Reclamation, Branch of Fiscal and Administrative Management, Administrative Management Division, Custom House, Denver, Colo.; invitation B-46,-678-D, opening October 2.

Chlorine, Liquid:—130,000 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7498, opening October 4.

Drugs and Chemicals:—Procurement Division, Veterans Administration, Washington (25); invitation 123, opening October 9.

Drugs and Chemicals:—Procurement Division, Veterans Administration, Washington (25); invitation 114, opening October 9.

Drugs and Chemicals:—Treasury Department, Procurement Division, Washington (25); invitation 3-LM-25626-1, opening October 3.

Gasoline:—Chief, Purchase Division, Treasury Department, Procurement Division, Washington (25); invitation 8415-G9, opening October 4.

Gasoline:—Chief, Purchase Division, Treasury Department, Procurement Division, Washington (25); invitation 8414-G9, opening October 4.

Lime, Chlorinated:—500 pounds, Chief Clerk, Justice-Prisons, Federal Prison Industries, Federal Correctional Institution, Tallahassee, Fla.; invitation PI-25-73-5, opening October 5.

Soap, Toilet:—7,500 pounds, Chief, Purchase and Supply Division, Treasury Department, Procurement Division, Fort Worth, Tex.; invitation RTFS-1140, opening October 4.

Turpentine:—10,000 gallons, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7508, opening October 11.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The current muddle over wage rates, brought on by the indications that the Little Steel formula is about to be abolished or substantially modified, is raising questions in the minds of OPA and WPB over the speed with which industry will be able to reconvert to peacetime production after V-E Day.

Officials have been drawing plans on the assumption that they would not be confronted with a new wage policy until reconversion was, in part, well underway. However, these hopes have been blasted by War Labor Board events which have made wages a subject of prime discussion currently.

OPA has been planning to give manufacturers definite post-V-E Day prices as soon as possible, but it is feared that many of these prices would have to be recalculated if substantial increases in wages are permitted. WPB has been insisting industry be given a clear picture of price prospects, along with information on contract terminations and surplus disposal problems, in advance of V-E Day, so there will be no obstacle in the way of quick readjustment.

Because of the explosive nature of the situation neither agency wants to make direct representations to the labor board, but both are hopeful that WLB will see the importance of an early determination of the wage problem and will hurry its decision.

Shellac Presents Puzzle

The bringing of shellac into the United States is now back in private hands, having been turned over to importers by the government as of 12:01 a.m. (October 1). The importers asked for the return of this business and got it—but there are quite a few people in the government who feel that they have bitten off more than they can chew.

Officials are not so concerned about the immediate future, since about 20,000,000 pounds of shellac has been accumulated in India and will be coming into the United States over the next several months. But, what is going to happen after that is the question they are most concerned about, since the war tempo in the Far East will be stepped up considerably after Germany collapses, and India may be less interested in shellac than in a lot of other things.

Now that it is no longer a government-to-government proposition, who is going to see to it that the lac is gathered? Who is going to make sure that the freightcars and trucks are available to haul it into the shipping centers of India from the remote spots where it is gathered? Are the American importers going to be able to re-establish their contacts in India without too much difficulty?

Time will have to answer these questions; meanwhile we can only hope for the best.

Axis Blacklist to Stay

The Department of State is not going to abandon its blacklisting of Axis firms and their cohorts until peace has been completely restored, which means not until the end of the war with Japan. And the British government, the department hastens to add by way of assuring American exporters who are afraid the Britishers will get the jump on them, is adopting the same policy.

This action is necessary in order to permit the Allied governments to deal properly with firms which have been part and parcel of the axis effort to gain world domination, and control over the axis subsidiaries necessarily follows as a supplement to Allied control of the head offices of the firms in Germany. Firms which had no direct tieup with the axis but sold themselves out for the profits involved will also remain on the list.

Complete or virtually withdrawal of the list, even during the transition period from war to peacetime conditions, is contemplated only with respect to those countries where adequate controls have been established and axis spearhead firms have been eliminated.

Surplus Disposers Barred

A provision in both the surplus property disposal bill and the contract termination bill will penalize thousands of people now working in these activities in government service—and whether they are civilians or in the military will make no difference. Both bills state that no person in government who works in either of these two functions may become associated for at least two years after the matter is settled with any firm that buys surplus property or whose contract is terminated.

The provision is making a lot of people wonder just where they will stand if there is a sudden cutback in government employment and they are turned loose to find other jobs. In the army and the navy, especially, men were recruited from industry to do the buying from industry. Now the job of terminating contracts and arranging for the sale of surplus property will fall on these same men. And once they start on this new work they won't be able to go back to their old firms for at least two years.

Of course, the provision is a real safeguard of the government's interests, but a lot of people will get hurt by it.

Beeswax from Bengal

There is some talk in OPA circles of the advisability of modifying the price ceilings on beeswax to encourage importation of wax from Bengal and see if South American exporters can't be shaken loose from some of the wax they have been holding up to create a tightness in the supply situation in this country.

It seems that about a year ago, when the requirement was that ceiling prices no longer be shown on imported beeswax, prices began moving up in South America and OPA was forced to step in with a rollback order. The South Americans retaliated by refusing to sell.

The Bengalese beeswax is said to be just as good as the South American and to cost about 6 cents less at the source. It is thought that if the domestic ceiling can be raised to let some of this wax come in, the South Americans will put some of their supplies back on the market.

Ickes Wires Collect

Early this year, when Congress was considering the appropriation bill for the Department of Interior, a few of the members having it in for Secretary Ickes succeeded in having his appropriations for telephones and telegrams cut drastically for the ensuing year. But Mr. Ickes has found a way to get back at them.

When a member of Congress demands that he be sent information immediately by the department all the data from out of town are sent to him by telegraph—collect. The congressmen are finding this a rather shocking reminder that they voted Mr. Ickes only $40,000 for departmental communications, instead of the $260,000 that was asked for.

China Trade Opening

Chances of getting out of China some of the long-sought Oriental oils and other products that have been dammed up since the closing of the Burma road are beginning to show signs of improvement. Of course, the stuff will have to be moved by air, and large, heavy shipments cannot be expected from China soon, but here's a tip to anyone interested:—

Word is being let out that, if American importers can get in touch with their agents or other contacts in the interior of China to move their materials to the Kung Ming area, there is a possibility that space may be found for the material on some of the planes which are leaving for points in India or Australia.

An air cargo priority will have to be obtained first but this is said not to be so difficult now as previously.

Tariff Board Studies National Policy Basis

OPD Washington Bureau

Studies by the United States Tariff Commission of the past history, present conditions, and future situation of some fifty commodities, being made at the joint request of the house ways and means committee and the senate finance committee, are rapidly nearing completion. All will be completed by the end of the year.

The studies are designed to aid the committee to determine congressional policy on problems of international trade. Thus far this work has been a matter primarily of the executive branch of the government. The Department of State has taken the leadership, having prepared an agreement with Great Britain on petroleum and now preparing for exploratory discussions on rubber.

Just what trend congressional policy will take on international trade dealings can not be determined in advance of the coming elections, and in no event it is expected that anything will be done on this score until after next January when the new Congress comes into session. Several important bills have been introduced, however, over the past several months, touching importantly on foreign trade, more or less, for the purpose of arousing public interest in the question and creating discussion. These include bills by Representative Earl R. Lewis of Ohio proposing that all import duties be based on United States value (H. R. 5369) and to withdraw from the President power to decrease existing rates of duties or to transfer any article from the dutiable to the free list in the negotiation of trade agreements (H. R. 5303) to extend the functions tative Charles S. Dewey of Illinois (H. R. 5303) to extend th efunctions of the Export-Import Bank to permit it to finance United States exports to the total of $3,000,000,000.

The studies of the Tariff Commission cover all manner of commodities, from chemicals to metals and foods and associated products. One study, relating to the past performance of the alcohol industry and its postwar future, has already been completed and made public. The next most important covers rubber, and it may be released at any time. Other commodities in the chemicals field to be reported on are nitrates, petroleum, potash, oils and fats, and starches.

Cans from Secondary Metal Approved by WPB

OPD Washington Bureau

The War Production Board has approved the manufacture of cans from secondary metal, blackplate rejects and terneplate waste-waste, for the packing of twenty-seven product classifications. This action was taken by the inclusion of schedule IV, listing these twenty-seven products, in conservation order M-81.

Schedule IV includes packing quotas for the remainder of 1944 and for 1945 on the following categories of products:—

Baking powder, caulking compound, dry glues and cement, dry dyes, exterminators, electrodes, disinfectants and deodorizers on a limited basis, grain fumigants and seed disinfectants, household oils, inks, ink eradicator, lap cement, lighter fluid, lye, drain cleaner, caustic soda and toilet bowl cleaner, plastic wood, rubber cement including solvent or latex, shock absorber flued, soap paste, including paste cleaners, spices, salt seasoning and dry mustard, putty, liquid and plastic roof cements and fibrous and non-fibrous roof coatings, and surgical dressings and hospital supplies, including bandages, adhesive tape, mustard plaster and sputum cups.

Contractors May Buy U.S. Plant Facilities

To assure the prompt removal of government-owned equipment from private plants whose war contracts have been terminated, Robert H. Hinckley, Director of Contract Settlement, has issued regulation No. 4. This regulation gives the contractor the opportunity either to buy the equipment or to have it removed promptly from his plant within 60 days after request for removal, except when necessary for other war purposes.

The new regulation provides the methods by which the contractor will put in his bid for purchase of the equipment or will request its removal.

Chemicals Allocations Supplement Released

The Chemicals Bureau of the War Production Board today issued a supplement to its September report on allocation of chemicals. This supplement covers benzene, high test calcium hypochlorite bleaching powder, diphenylamine, prussiates, metallic sodium, nitrogen compounds for agricultural use, phthalic alkyd resins, toluene, and xylene.

Benzene.—Initial September allocation was made as follows:—Phenol, 1,993,627 gallons; aniline, 850,215 gallons; nitrobenzene, for other than phenol and anilin, 68,016 gallons; chlorbenzene, for other than phenol and anilin, 384,438 gallons; trichlorbenzene, 18,000 gallons; anthraquinone, 72,384 gallons; diphenyls, 215,000 gallons; alcohol denaturant, 30,360 gallons; medicinals, 135,812 gallons; rubber chemicals, 44,090 gallons; solvents, 422,194 gallons; miscellaneous, 321,999 gallons; blends controlled by M-150, 126,800 gallons.

Bleaching Powder.—Chamber bleach continues to be used exclusively for civilian and export demand and the supply is ample to take care of such requirements. The more stable forms of machine bleach are reserved exclusively for military use.

Calcium Hypochlorite.—The following non-military requests were granted for high test calcium hypochlorite as follows:—Sugar refining, 100 percent; water purification, sewage disposal, petroleum and small orders, 56 percent. It is still not possible to permit the use of this material for such purposes as laundry work, etc. Some distress lots of material unsatisfactory for military uses and not controlled by the War Production Board are reported to have found their way into less essential uses.

Diphenylamine. — Because of the shortage of aniline in September, the amount of diphenylamine to be produced will be only about 75 percent of capacity. By making substantial withdrawals from both suppliers' and customers' stocks it is expected that serious difficulties will be avoided in September.

Metallic Sodium:—September allocations of metallic sodium reflect a continued tight situation. Heavy demand for military uses has forced further reductions in some categories.

—Continued on page 45

Tapioca Flour Industry Advisers Discuss Prices

An organizational meeting of the newly appointed industry advisory committee representing the tapioca flour industry was held recently with representatives of the Office of Price Administration in New York, the price control agency has announced.

The main topic of discussion at the meeting was contemplated price action to stabilize the price of imported tapioca flour to prevent squeezes on established prices for industrial materials in which the flour is used as raw material.

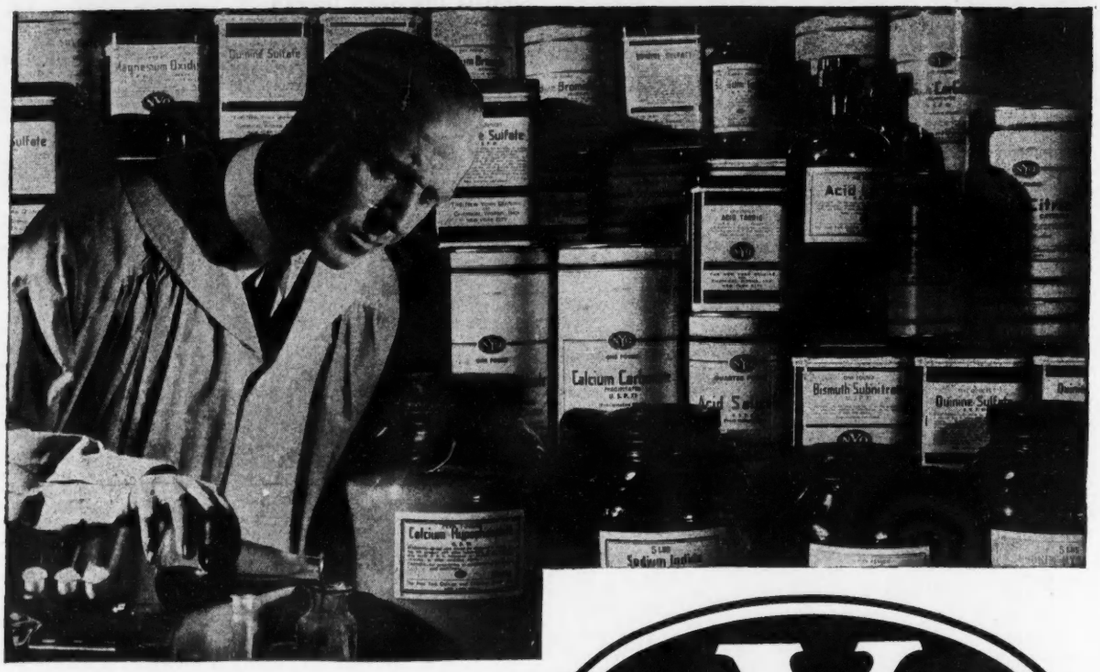
Edwin Stein, of the Stein-Hall Manufacturing Company, New York, was elected chairman of the group. Other members of the industry advisory committee in addition to the chairman are:—

F. Greenwall, National Starch Products Company, New York; H. Hiers, Java-America Export Company, Inc., New York; E. Arnold, Arnold, Hoffman & Co., Providence, R. I.; F. Mueller, Corn Products Sales Corporation, New York; G. Muller, Morningstar, Nicol, Inc., New York; J. B. B. Stryker, Perkins Glue Company, Lansdale, Pa.; R. P. Bieler, Arabol Manufacturing Company, New York, and E. Stern, of S. Stern, Stiner & Co., New York.

WPB Conservation Div. to Be Discontinued

Acting Chairman J. A. Krug of the War Production Board has announced that Howard Coonley, Director of the Conservation Division, has recommended that the Conservation Division be discontinued as of October 31, 1944.

Mr. Krug said that the diminishing amount of work remaining to be done in connection with the conservation can at this stage of the war effort be handled satisfactorily by the other divisions of WPB and that he has accepted Mr. Coonley's recommendation. He also said that this action does not affect activities of the Salvage Division, nor does it mean there will be any lessening of emphasis on such government programs as paper salvage and conservation.



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- Iodine Resublimed
- Iodoform
- Potassium Iodide *(Cryst.-Gran.-Powd.)*
- Quinine Sulfate and other Quinine Salts
- Strychnine Alkaloid
- Strychnine Sulfate
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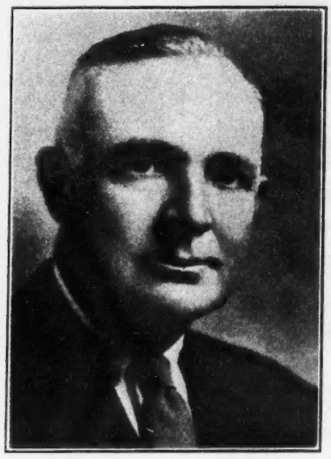
National Wholesale Druggists Association Annual Meeting

Distribution problems in the post-war period supplied the main theme of the discussions at the seventieth annual meeting of the National Wholesale Druggists' Association, held in the Waldorf-Astoria hotel, New York, September 26-28. Approximately 1,500 members and guests were in attendance at the various sessions at which committee reports were read covering such subjects as operating costs, credits, insurance, legislation, training of salesmen and pharmacists and an overall employer-employee relations program. James W. Roberts, of the Henry B. Gilpin company, Norfolk, Va., was elected president of the association, to succeed Lace I. Fitschen, of the Alexander Drug Company, Oklahoma City, Okla.

As evidence of the competition the druggist is likely to face in the post-war period, Mr. Fitschen in his address as president, said:—



James W. Robert
Elected President

A recent survey revealed that nearly 300,000 grocery stores in the nation were handling drug products, 260,000 were handling laxatives, 226,000 were selling cold remedies, and 217,000 were carrying dentifrices. A lumber yard in my home city advertises such items as bobbie pins, hair pins, safety pins and what not.

Self-service is not likely to have the merchandising appeal that some authorities have suggested, Mr. Fitschen said. He cited a poll of individual customers, in which 83.7 percent expressed a preference for sales person service for drugs and cosmetics.

The Druggists Research Bureau, which is supported jointly by the wholesalers' colleges of pharmacy and retail organizations in the industry, is attempting to work out a plan for distribution of detailed blueprints for modernizing and streamlining drug stores, Mr. Fitschen said.

Credit

On the subject of a credit policy, Mr. Fitschen said:—

It has been found that it is not a sound credit policy to extend credit when the total liabilities of the customer exceed 50 percent of the fair trade value of the merchandise inventoried. Therefore, credit limits should be set for each customer. On an open account there should be no past due balances and no cash discount should be allowed on past due balances.

Long-term datings on any type of merchandise, with the exception of fountains and fixtures, is not good business—and dating terms should not be extended by manufacturers to their distributors with the expectation that these datings would be passed on, unless the distributor had been notified and had agreed. Even on fountains and fixtures, no longer than 24 months should be extended by the distributor if he expects to operate on a sound business basis.

Dating terms by the manufacturers should not be mentioned by the manufacturer's representative to the trade, unless he first contacts the distributor and has his consent. If he does this without first consulting the distributor—and the dating terms are refused to the customer sold then that customer not only has an ill feeling towards the distributor—but towards the manufacturer as well.

Consignment of merchandise of any type or character to a retailer from a credit standpoint should be discouraged, for there is danger connected with it.

Let me again recommend and urge our actvie members—we wholesalers— to not offer datings, and to not be led again into other forms of over-solicitation and over-servicing.

With reference to future datings . . . this applies not only to seasonable—but to Christmas merchandise as well . . . and expressing my own opinion—I can't see that it is good business for any manufacturer or wholesaler to start offering three or four months dating terms to their customers on vitamins, or any other class of merchandise—which some are inclined to want to do. It is basically unsound and means the breakdown of one of the sound policies that most all manufacturers and wholesalers have adopted in the past three years. I recommend that the sound principles as outlined by this committee on credits and collections be submitted to our sales managers and salesmen of our individual houses, in order that they become thoroughly familiar with these credit policies for the future.

Board of Control

T. O. Duff, of McKesson & Robbins, in his report as chairman of the board of control of the association, said:—

We call attention to the principles relating to credits and collections, as revised and brought up to date by chairman J. E. Murphy of our committee on this subject. We urge that all wholesale druggists make a careful review of these principles, and we express the hope that credit dpartments may be instructed to follow the economically sound principles as laid down in the report. Extra copies of this report may be obtained from our New York headquarters. We particularly emphasize the recommendation in the credits and collections committee report that advance datings be not offered by wholesale druggists at any time for any class of goods or at any season of the year.

Insurance

Our board of control has provided adequate funds to print the syllabus on insurance for the drug industry. We are hopeful that Chairman Robinson may complete this book so that it may be sent out to all members before our next annual meeting.

Proprietary Goods

Chairman H. M. Altshul of the committee on distribution of proprietary goods presented at our Spring meeting what has been widely proclaimed as the most valuable report on the distribution of proprietaries that has been made for a number of years. This report, along with the complete proceedings of the Spring meeting, will appear in the new N.W.D.A. Year Book.

Trade Promotion

Chairman O. L. Rafuse was requested by our officers to present a report at this convention on wholesale drug operating problems, rather than to discuss trade promotion, which is the specific problem of his committee. A survey was made of all wholesale members. This should be carefully read by our wholesale members.

Sales Management

Chairman J. D. Slater of our sales management committee presented a report at our Spring meeting on how to handle salesmen. We emphasize again the one outstanding recommendation in this report, namely, that salesmen be taken through all departments of the wholesale drug house on different occasions and be advised fully of exactly how the wholesale house operates.

Honorary President

One of the functions of your board of control under our constitution and by-laws is to bring to the convention recommendations for an honorary president of the association, in the event it cares to do so. Your board of control this year brings to you, by unanimous recommendation, Warner James, of Towne & James, Brooklyn, N. Y., to be elected as honorary president of the N.W.D.A. for the coming year.

Model Wholesale Drug House

During the year President Fitschen and our executives and our New York office have made every effort to make progress toward the ultimate development of a model wholesale drug house. Your board of control endorses these efforts most heartily and recommends that the program be carried forward as rapidly as possible.

Druggists' Research Bureau

The N.W.D.A. is one of the associations naming delegates to make up the directing committee of the Druggists' Research Bureau. Our delegates have attended two meetings of the Bureau Directing Committee during this past year. The bureau has adopted a program providing for the distribution of some 3,000 copies of its research publication on "Fair Trade and the Retail Drug Store," the cost of this publication to be divided between the N.A.R.D and the N.W.D.A. Your board has approved of this plan of operation to further promote a proper understanding of fair trade laws and their use.

Drug Store Management

Your Board of Control has to report that the book, "Drug Store Management," which was originally sponsored and underwritten by the N.W.D.A, and was the work of Dr. Nolen and Dr. Maynard, and of which some 12,000 copies were sold to the retail pharmacists of the country, is now being reprinted in one of the armed forces educational series. The United States government is publishing 37,500 copies of this book and these will soon be available to members of the armed forces who are pharmacists, or others who may be interested in drug store operation and management. Our book, "Drug Store Management," has been adopted by the government, almost as originally written, as one of the most complete and satisfactory volumes relating to business that is available for any industry in the country.

Industry Program

A five-point program for the postwar future of the drug industry was offered by Knox Ide, president of the American Home Products Corporation. Mr. Ide suggested the following program:—

(1) That the organized groups within the drug industry seek to set up an industry council, composed of representatives of these groups, covering all the interested trade and professional elements in the industry.

(2) That this industry council seek to unify the interests of the various elements represented; to determine the common problems and hazards facing the industry; to correlate the solutions to those problems, and to organize the defenses against those hazards.

(3) That this council at the same time seek to isolate and define the major points of difference between the various industrial elements, study these problems, and attempt to adjust the differences of the groups represented.

(4) That this council be adequately staffed so it can conduct the necessary research and analaysis—collecting information on current activities in the industry; analyzing these findings to determine the nature of the major problems, and making recommendations to the component organizations for their information and for appropriate action by them.

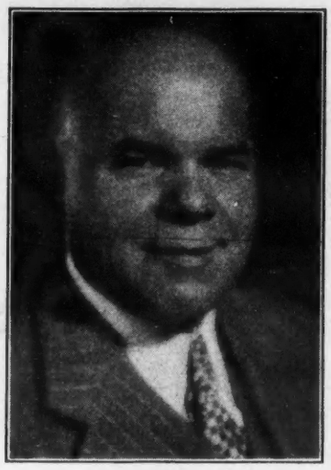
(5) Finally, that the council seek, as one of its main functions, to develop a code of standard practices—so that we can maintain and increase the industry's reputation for scientific and technological advancement, and activate the principles of fair play and honest service in business policies and operations.

Broader Markets

The main postwar problem will not be production, but distribution to the consumer, J. T. Woodside, president of the Weco Company of Chicago, told the meeting. He warned that industry must concentrate on development of a broader market by creating new users rather than on a competitive attempt to take each other's customers through a violent price operation in which profits would be destroyed and funds needed to expand the business dissipated.

Employer-Employee Plan

A nine-point program of employer-employee relations was recommended to the convention by R. B. Rucker, of McKesson & Robbins, Inc., Los Angeles, reporting as chairman of the association's committee on employer and employee relations. The program proposes:—



E. L. Newcomb
Executive Vice-President

1. Social security benefits, including a pension plan and health, accident and hospitalization insurance.
2. Incentive pay, providing an opportunity for employees to increase earnings in proportion to initiative and production.
3. Consideration of bonuses.
4. Employer-sponsored social and athletic programs.
5. Employee lunchrooms and recreation facilities wherever space is available.
6. Cooperative buying for employees should be discouraged.
7. Paid vacations.
8. Intelligent and fair treatment relative to pay for time off.
9. Publication of an "Employee's Handbook" to educate and indoctrinate new employees in the business.

Mr. Rucker reported that a survey of association membership revealed that 60 percent of the wholesale drug firms already have pension plans in operation or in the making. Companies reporting pension plans noted the following beneficial results:—

1. A pension plan is an added incentive to stay with the company. With wartime wages frozen, the plan helps the employee to plan for retirement.
2. Eliminates the employee's fear of becoming a charity dependent in old age.
3. Offers him assurance of protection when benefits are needed.

The type of plan in most general use in the wholesale drug industry is purchase of annuity insurance by the employer, Mr. Rucker said. The total premium is borne by the employer, and retirement benefits amount to between 25 and 40 percent of the employee's average earnings during the last five years.

More than 80 percent of association members reported that their companies have health, accident and hospitalization insurance for their workers, Mr. Rucker said. Of the firms surveyed 40 percent have bonus plans for employees and nearly half reported social and athletic programs to bring about closer contact with employees, according to Mr. Rucker.

In opposing cooperative buying for employees, the committee stated:—

Cooperative buying is a principle

—*Continued on page 58*

N.W.D.A. 1944-45 Official Family

President, James W. Roberts, of the Henry B. Gilpin Company, Norfolk, Va.

First vice-president, O. L. Rafuse, of McKesson & Robbins, Inc., Buffalo division, Buffalo, N. Y.

Second vice-president, A. J. Sichelstiel, of the W. J. Gilmore Drug Company, Pittsburgh, Pa.

Third vice-president, A. S. Lester, of McKesson & Robbins, Inc., western wholesale division, Los Angeles.

Fourth vice-president, R. R. Ellis, of the Ellis-Bagwell Drug Company, Memphis, Tenn.

Fifth vice-president, R. T. Thompson, of McKesson & Robbins, Inc., southern drug division, Houston, Texas.

Executive vice-president, E. L. Newcomb, 330 West Forty-second street, New York.

Secretary, E. A. Newcomb, 330 West Forty-second street, New York.

Treasurer, Manufacturers Trust Company, New York.

New members of the Board of Control (three-year terms):—J. D. Crump, of McKesson & Robbins, Inc., Riley Division, Macon, Ga.; C. C. Caruso, of Schieffelin & Co., New York; Edward S. Albers, of the Albers Drug Company, Knoxville, Tenn.; H. S. Price, of The Orr, Brown & Price Co., Columbus, Ohio.

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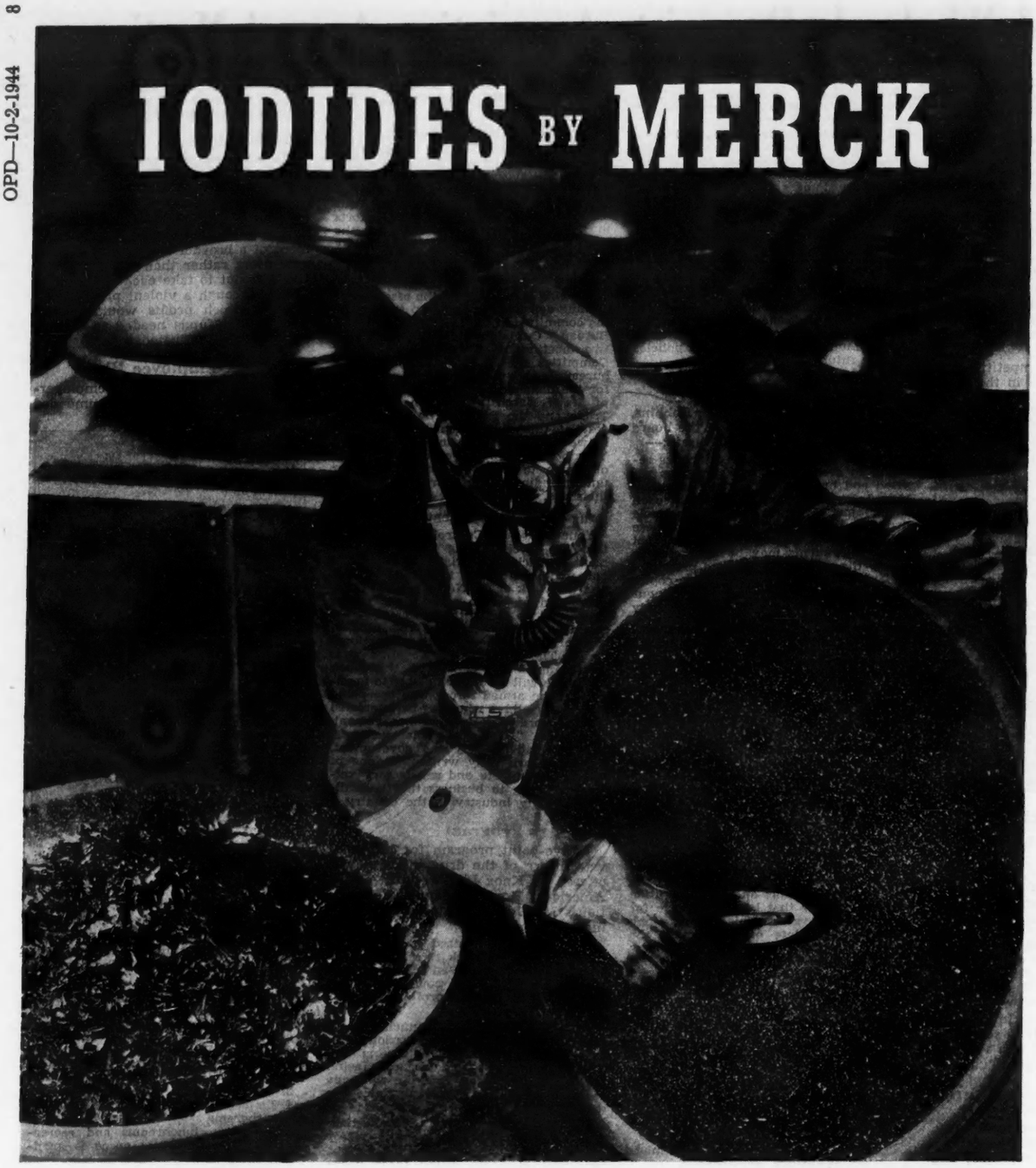

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Iodoform
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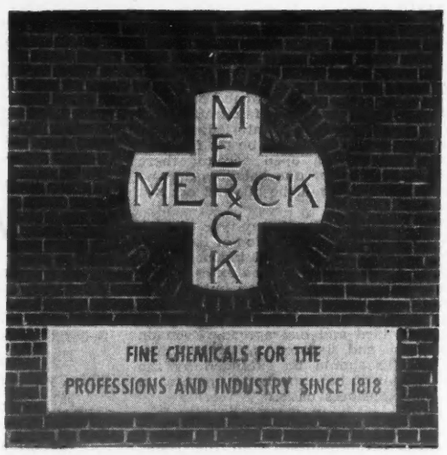
Potassium Iodide Mixtures
Sodium Iodide
Thymol Iodide
and other Iodine Salts



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Current Market Quotations Chemicals and Related Materials

September 29, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib., dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetoacetanilide, bbls., dms....lb. .49 - .67

Acetone, CP,[1,6] dms., c.l., dlvd. E.*..lb. .08 - —
l.c.l., dlvd. E.*.....lb. .08½- —
tanks, dlvd. E.*.....lb. .07 - —

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* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works. lb. .90 - —

Acetophenetidin, bbls., kgs., 1,000-lb. lots.. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks...lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, nat'l, bbls....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., bbls., works.... 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works....100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] (see Acetic anhydride).
Acetylsalicylic,[3] special, USP. bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis..lb. .46 - .59
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .31 - —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic,[1,6] USP, dms., 500-kilo lots..kilo.24.50 - —
30-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.85 - —
2½-kilo lots.....kilo.25.70 - —
1-kilo lots.....kilo.26.41 - —
bots. 500-gram.....kilo.27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls. works. lb. .95 - —

Boric,[3] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .20 - —
l.c.l., same basis.....lb. .30 - —
Broeners, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —

Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, tech., ret. dms.....lb. .21½- .22
Caprylic, tech., ret. dms....lb. .27 - .27½
Castor oil,[5] split, ret. dms...lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .08 - —
l.c.l., works.....lb. .06¾- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99¼-99¾%, dms., c.l., l.c.l. .....lb. .16¼- —
.16¾- .18¼
Cinnamic, refd, bots.....lb. 3.50 Nom.
Citric,[1,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't...lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
cryst., gran., bbls., c.l...lb. .20 - —
10,000 lbs., 1 ship't...lb. .20¾- —
smaller lots.....lb. .23 - .24
kgs.....lb. .21½- —
Powd. citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,5] dist., dms....lb. .15½- .17½
Corn oil, s.d., dms., c.l., works, lb. .12 - —
Cottonseed oil,[1,5] s.d., dms., c.l..lb. 12 - —
tanks, dlvd.....lb. .14¼- —
Cresylic,[2,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, bbls., f.o.b. works..gal. .31 - —
l.c.l., same basis....gal. .33 - —
tanks .....gal. .75 - —
(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref....gal. .510 - —
Sewaren, N. J., ref...gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .626 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11¼
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.18
Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloric, dms..lb. 2.00 - 2.40
Glycolic (see Hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57% bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .80
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more.. lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms.....lb. .20 - .20½
Laurent's, bbls.....lb. .45 - —
Linseed oil,[5] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots.lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .93 - 1.10
Monochloroacetic, tech., 85%, bbls..lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24 works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys..lb. .08 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms. extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.56 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots.....lb. .23 - —
dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[5] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, dlvd., lb. .11¼- —
Phenylacetic, bots.....lb. 1.85 - 3.00
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut. cbys., works.....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal., dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E..gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works...lb. .55 - .57
Soybean oil,[1,5] s.d., dms.....lb. .16½- .18½
tanks, works.....lb. .11 - —
Stearic,[1,5] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .19¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
OP, USP, consumers, cbys..lb. .08 - —
6-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs.....lb. 1.18 - —
smaller lots.....lb. 1.20 - 1.15
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Tobiac, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.10 - 1.15
Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial 1.60 - —
Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae,[1,6] USP, anhyd., pharmaceutical, dms., l.c.l., works..lb. .30 - —
cosmetic, dms., l.c.l., works, lb. .31 - —
Adeps lanae prices for primary distributors, f.o.b. St. Louis, 1c. higher.
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd.....lb. 2.07 - 2.15
granular, cryst.....lb. 2.02 - 2.06
tech., cryst., bbls.....lb. 1.55 - 1.65
Alcohol, allyl, dms., c.l., dlvd.lb. .29 - —
l.c.l., dlvd.....lb. .30 - —
Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms., frt. alld. lb. .1980- —
l.c.l., frt. alld. E...lb. .2080- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

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* Normal butyl alcohol prices West, ¼c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.90 - —
Denatured,[1,6,8] CD14, dms., c.l., dlvd. E..gal. .54½- —
19, dms., works, E.....gal. .56½- —
1 to 18 dms., works, E..gal. .59¼- —
tanks, E., dlvd.....gal. .50 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19, bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works. gal. .67 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E. gal. .65 - —
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD28H).
SD28H, works, c.l., bbls..gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works. gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works..gal. .69 - —
tanks, E. works.....gal. .50½- —
When any of the several SD29 denaturants is supplied by the puchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works..gal. .53½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone,[6] acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .11¾- .15
tanks, dlvd.....lb. .10¼- .13¼
tech., dms., c.l., dlvd.....lb. .11 - .13¼
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½
Ethyl[1], 190 pf., dms., c.l...gal.17.64½- —
19 dms...gal.17.68 - —
1 to 18 dms.....gal.17.71 - —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.62 - —
18 dms.....gal.18.65½- —
1 to 17 dms.....gal.18.68½- —
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - .35
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .39 - —
l.c.l., dlvd.....gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd....gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .63 - .70
type B, fiber-pack, same basis. lb. .60 - .68
Propyl, normal, dms., wks..gal. .67 - .76

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - .50
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.50 Nom.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alisarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .17½- .18
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .55 - .60
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .52 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks.gal. .84½- —
l.c.l., works.....gal. .87 - —
tanks, works.....gal. .81½ - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[6] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .40
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., divd..lb. .10½- .11
solut., 20%, bbls., divd...lb. .09½- .10
Chloride, anhyd.,[6] com'l, dms., c.l., works..lb. .08 - .09
l.c.l., works.....lb. .09 - .13
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .09¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works.....lb. .04 - —
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .15 - —
Hydroxide, gel, min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .19¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald.. 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works... 100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., works.. lb. .024 - .035
Aluminum, 92-95% [3],[4], c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-dm..lb. .86 - .89
ink, 150-lb. dm.....lb. .71 - —
standard, 300-lb. dm.....lb. .58 - —
powder, lining, extra fine, 150-lb. dm..lb. .93 - —
lithe, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., 250-lb. dm. lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.12.50 - 14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots.....lb. 4.26 - —
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .16 - —
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld..lb. .42 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms.....lb. .0339- .0614
Bicarbonate,[6] bbls.....lb. .23 - .25
Bifluoride, bbls., kgs.....lb. .15 - .17
Borate, gran., bbls, kgs.....lb. .1080- —
powd., bbls, kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .06½- .09¼
cns. .....lb. .14¾- .17½
powdered, lc. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .16
Ammonia citrate, dibasic, bbls. lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms...lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1],[6] fertilizer grade, Canadian, 32.5 nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.48.00 - —
bulk, same basis.....ton.44.00 - —
tech, bgs., works.....100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .31 - .80
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08¼
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms.....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works.....lb. .18 - .24
Sulphate,[1],[6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works...lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycolate, 100%, bbls...lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .12½- .17
l.c.l., divd.....lb. .13 - .17¼
tanks, divd.....lb. .11¼- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .80 - 1.26
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works.....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .057- .063
NF, bots.....lb. 2.15 - 2.35
cans .....lb. 1.90 - 2.25
Angelica root, dom., bls.....lb. .80 - .85
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11¼- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10¾- —
Salt, dms.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .28½- .29
Bulgarian, bgs.....lb. .29 - .29½
Mexican, recleaned, bgs.....lb. .18½- .19
Syrian, bgs.....lb. .20¼- .21
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 2.90 - 3.00
Annatto,[6] paste, bus.....lb. .34 - .39
Seed, bgs.....lb. .08¼- —
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinine, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1],[6] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1],[6] bgs., ceramic grade, c.l...lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1] 65%, bbls., divd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 - 23.70
Apple syrup,[1] bbls.....lb. .16 - .16½
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide.....lb. 12.25 - —
Argol, min. 70% bgs., Argentine port, 100 kilos, 100% purity.70.00 - 72.00
Arnica flowers, bls.....lb. 2.45 - 2.50
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l....lb. No prices
Chloride (arsenous), bots....lb. 1.55 - —
Iodide (arsenous), 5-lb. bote.lb. 5.53 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .65
powd., bbls., dms.....lb. .56 - .62
Asbestine (see Talk, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines. ton.49.50 - —
5R, bgs., same basis.....ton.44.60 - —
6D, bgs., same basis.....ton.33.00 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs., 2,000 lbs. gross weight Colo. mines..ton.30.50 - —
Barbados, Dunellen, N. J...lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban A, bulk, c.l., N. Y...ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., l.c.l. refinery N. J. or Ill..lb. .08 - —
Asphaltum, gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.32.90 - —
290-295° F. fusing point, bgs., mines..ton.30.50 - —
270° F. fusing point, bgs., mines..ton.30.50 - —
seconds, 370-390° F. fusing point, not uniform, bgs., Texas refy..ton.25.50 - —
300-330° F. fusing point, not uniform, bgs., mines. ton.25.50 - —
jet, bgs., ton lots, gross wght., Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz.15.00 - —
Sulphate, bots.....oz. 7.75 - 8.15

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2],[6] (see Cube root).
Barberry, root bark, bgs.....lb. No stocks
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .23 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton73.00 - —
l.c.l., same basis.....ton.78.00 - —
bbls., c.l., same basis..ton.75.00 - —
l.c.l., same basis.....ton.80.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.83
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09½- .11
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide)
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis..ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba So_4, bulk, mines..ton. 8.50 - —
Bauxite,[6] blk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90% dms., works. gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .26 - .36
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .45 - .46
Bismuth[6] chloride, bots.....lb. 2.85 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62 - 66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
Black, bone, 3, bgs., bbls., c.l., same basis..lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon,[6] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., divd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03635- —
bgs., ctns., l.c.l., divd. or whse..lb. .09 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06¼- —
Lamp, 1, ctns., works.....lb. .06½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .27½- —
l.c.l., works.....lb. .33½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .95 - 1.00
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2],[6] dms., c.l., works..100 lbs. 2.50 - 2.10
l.c.l., works.....100 lbs. 2.75 - 3.00
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago....lb. .13½- —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
50%, bbls., same basis....lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis...lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .26 - .27
job grades, bbls., same basis, lb. .12 - .18
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Bluefing root, bls.....lb. .55 - .75
Blue mass, NF, cns., tubs....lb. 1.29 - 1.46
powd., bots., cns., dms.....lb. 1.32 - 1.46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.43.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.33.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld.....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse.....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., frt. alld.....ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.56.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —

USP- $15 per ton higher.

Unusual Opportunities

ACETALDEHYDE
We have nineteen drums to dispose of at a sacrifice.

BENZOL SUBSTITUTE
Available drums, carloads or tank cars; ask for samples.

CARBON TETRACHLORIDE SUBSTITUTE
Detailed information with samples on request.

CHLOROFORM U.S.P.
In tin lined drums of about 600 pounds net each—for prompt shipment.

CHLOROFORM TECHNICAL
We have this in large drums of about 1000 pounds each.

CREAM OF TARTAR
We aim to have the lowest price and the best quality.

GLUCOSE 44/45° Be' U.S.P.
Recent arrivals make available certain quantities—packed in casks of about 600 pounds net each. Quotations on request.

HEPTANE
Some 10,000 pounds can be had at a low price.

MENTHOL U.S.P.
We have more than 1000 pounds on hand for immediate delivery.

MESITYL OXIDE
A powerful solvent for nitrocellulose and ethylcellulose. Also dissolves low-viscoscity cellulose acetate. We will be pleased to furnish samples with quotations.

METHYL METHACRYLATE
We can supply the Monomer in drums, carloads or tank cars — samples on request. Also sizeable quantities of certain grades of Polymer.

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We have limited quantities available for prompt shipment.

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Some 12,000 pounds of this "red oil" to be sold for liquidation of inventory.

POTATO STARCH
Subject to prior sale, we can offer three carloads powder and one carload pearl, all packed in standard uniform bags.

SODIUM BENZOATE U.S.P.
We can assure you of excellent service.

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Again we aim to have the lowest price and the best quality.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½ - —
Bornyl thiocyanoacetate (see Isobronyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. .02½ - —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾ - .05
pap, bgs., c.l., same basis, lb. .0235 - —
Italian type, bbls., works..lb. .03¾ - .10¼
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works..lb. .08 - .10
Umber, American, bbls., wks. lb. .03¾ - —
Italian type, bbls., works..lb. .04¾ - —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y...lb. .04¾ - —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼ - —
Minneapolis .....lb. .0535 - —
Brown, umber, Turkey-type, bbls., l.c.l., f.o.b. Pittsburgh..lb. .05 - —
ex car, Los Angeles..lb. .05¾ - —
Portland, San Francisco, Seattle..lb. .05½ - —
ex whse., Los Angeles..lb. .05¾ - —
Portland, San Francisco, Seattle..lb. .05¾ - —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .72 - .73
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[4] indust., tanks, Group 3, gal. .03½ - —
Butyl acetate, normal,[1,6] ferment., Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R., lb. .1895 - —
l.c.l., frt. same basis, lb. .1945 - —
tanks, same basis.....lb. .1795 - —
other production, dms., c.l., same basis..lb. .1960 - —
l.c.l., same basis.....lb. .1950 - —
tanks, same basis.....lb. .1800 - —
synthetic, dms., c.l., same basis..lb. .11¾ - —
l.c.l., same basis.....lb. .12¾ - —
tanks, same basis.....lb. .10¾ - —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½ - —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½ - —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Butyl, carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½ - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½ - .17
tanks .....lb. .15½ - —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots.....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., dlvd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots .....lb. 3.15 - 3.28
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.06
25 to 100 lbs.....lb. 3.15 - 3.20
smaller lots .....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots .....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½ - .08½
Bromide, jars .....lb. .65 - .70
Carbide,[1,6] dms., c.l., works, ton.50.00 - —
dlvd. .....ton.97.00 - 98.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper, bgs., c.l., dlvd..ton.18.50 - 35.00
l.c.l., 15 tons, dlvd...ton.21.50 - 25.50
5-ton lots .....ton.28.50 - 41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars..lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd. ton.18.00 - 31.50
l.c.l., 15 tons, dlvd...ton.21.45 - 25.45
5-ton lots .....ton.28.45 - 40.95

Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.

Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs. .....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.20 - —
10-lb. lots .....lb. 1.40 - —
cns., 25 lbs. .....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls. .....lb. .35 - .37
Laurate, bbls. .....lb. .28 - .29
Mandelate, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½ - —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - 07¾
5 to 9 bbls., works.....lb. .08 - 09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 - 12.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .03¾ - —
l.c.l., frt. equald.....lb. .06 - 06½
tribasic, bbls., c.l., works.lb. .0635 - —
Resinate, precip., 5.5% Ca, 100-lb. dms..lb. .15½ - —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½ - —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls. .....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¼ - 13½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 1.68 - 1.89
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½ - —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 2.10 - 2.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Canadian, Sept.-Oct., bgs..lb. .80 - .85
Morocco, dewhiskered, bgs...lb. .67 - .68
Spanish, dewhiskered, bgs...lb. .66 - .67
Syrian, dewhiskered, bgs....lb. .64 - .66
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
95%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½ - —
l.c.l., works.....lb. .23½ - —
tanks, works.....lb. .21½ - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05½ - —
5-gal. dms., c.l., same basis, lb. .07 - 07½
l.c.l., same basis.....lb. .08 - 08½
Dioxide, cyls.....lb. .06 - 08
Tetrachloride,[1,6] c.p., dms., c.l., lb. .07½ - —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .78 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .84 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½ gal. dms., c.l.. gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W of Billings.

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Cardamom,[1] bleached, bold, cs., lb. 1.18 - 1.25
medium, cs. lb. 1.08 - 1.15
coorg clipped, cs. lb. .60 - .62
decorticated, cs. lb. .75 - .80
green, bgs. lb. .60 - .62
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd. gram. 2.85 - —
50 grams, dlvd. gram. 2.90 - —
Carvol, bots. lb. 22.50 -28.00
Cascara sagrada bark, bulk. lb. .32 - .35
Case hardening mixture, 30%, gran., dms., l.c.l. lb. .09¾- —
slabs, dms., l.c.l. lb. .08¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point. lb. .24 - —
20 to 99, same basis. lb. .24¼- —
less than 20, same basis, lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis. lb. .25¼- —
20 to 99, same basis. lb. .25¾- —
less than 20, same basis, lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more. lb. .17½- .18
rennet-precip., unground, bgs., 100 bgs. or more. lb. .20 - .20½
Cassia,[1] lb. No stocks
Cassia fistula, bskts. lb. .23 - .24
Castor beans, f.o.b. Brazilian ports. long ton. 62.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works, unit-ton 2.90 - —
Castoreum, nat., cns. lb. 12.50 13.00
synth., bots. lb. 19.00 - —
Catechol, CP, cryst., works, fib. dms, tin. lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms. lb. 3.50 - —
Catnep, bls. lb. .65 - .66
Celery seed,[1] Indian, bgs. lb. .18 - .18½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld. lb. .30 - .35
granules, ctns., same basis. lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld. lb. .30 - —
Cerium hydrate, dms., works. lb. .60 - —
Oxalate, USP, bbls., works. lb. .35 - —
kgs., works. lb. .27 - —
Oxide, optical grade, kgs., 100-lb. lots, works. lb. 1.50 - —
smaller lots, bgs., same basis. lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works. lb. .02¾- —
paint and other industries, bgs., c.l., works. ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 - —
rubbermakers, bgs., c.l., works, ton. 30.00 - —
Chamomile, Hungary type, cs. lb. .45 - .50
Roman, bls. lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South. ton. 30.20 - —
l.c.l., same basis. ton. 41.00 - —
Willow, powd., bbls. lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works. 100 lbs. 2.85 - 3.85
l.c.l., works. 100 lbs. 3.10 - 4.10
tanks, works. 100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works. 100 lbs. 6.50 - 9.10
l.c.l., works. 100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works. ton. 9.50 - —
l.c.l., works. ton. 16.00 - —
bulk, c.l., works. ton. 7.60 - —
200 mesh, bgs., c.l., wks. ton. 8.50 - —
l.c.l., works. ton. 9.50 -15.50
wet grd., silk-bolt 99.5%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila. ton. 19.00 -24.00
powd., cks., l.c.l., ex whse. ton. 41.00 - —
Chloral hydrate, jars. lb. .93 - .98
dms. lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works. lb. .32 - —
smaller lots, works. lb. .35 - —
Chlorine,[5,6,6] liquid, cyls., c.l. lb. .05¼- —
contracts lb. .05¼- —
l.c.l. lb. .07¼- —
tanks, single units, works, frt. equald 100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald. 100 lbs. 2.00 - —
2, wks., frt. equald. 100 lbs. 2.50 - —
1, wks., frt. equald. 100 lbs. 3.00 - —
Chloroform, tech., dms. lb. .20 - .23
USP, dms. lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld. lb. .60 - —
100-lb. cyls., same basis. lb. .62 - —
25-lb. cyls., ex whse. lb. 1.00 - —
1-lb. bots., ex whse. lb. 1.25 - —
Choline chloride, fib. dms. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms. lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs. lb. .07½- —
7½%, bbls., cs. lb. .06½- —
Cake, bulk, c.l., works. ton. 16.00 - —
Ore,[1] residue, paper bgs., c.l., works. ton. 15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. lb. 6.03 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs. lb. 1.20 Nom.
broken, bgs. lb. .19 Nom.
yellow, quill, bgs. lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13½*
sulphate, NF, cns., 100 ozs. oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs. oz. .62 + .13½*
large cryst., cns., 100 ozs. oz. .6¢ + .13½*
Sulphate, NF, cns., 100 ozs. oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, bots. lb. 3.70 - 3.80
dms. lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms. lb. 2.00 - 3.90
Cinnamon,[1] Ceylon, 2, bls. lb. .53 - .53½
No. 2, bls. lb. .52 - .53
chips, bgs. lb. .56 Nom.
Citral, bots., cns. lb. 2.35 - 4.75
Citrine ointment, jars. lb. .91 - 1.11
Citronellal, bots., dms. lb. 2.75 - 3.25
Citronellol, bots., dms. lb. 6.00 - 7.00
Cloves,[1] Madagascar, futures, bls. lb. .16¾- .17½
Zanzibar, bls., f.o.b. St. Louis. lb. .23 - .23½
Clover tops, red, bgs. lb. .55 - .60
Coaltar,[6] coal-gas, crude, bbls., l.c.l., works. bbl. 8.25 - —
l.c.l., works. bbl. 8.75 - —
tanks, works. gal. .07½- —
refd., bbls., c.l., works. bbl. 8.75 - —
l.c.l., works. bbl. 9.25 - —
tanks, works. gal. .08½- —
water-gas, crude, dms., c.l., works. bbl. 8.25 - —
l.c.l., works. dm. 8.75 - —
refd., dms., c.l., works. dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs. lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.88 - —
feed grade, 23% Co., kgs. lb. 1.85 - —
Chloride, kgs., works. lb. .87½- —
feed grade, 24.5% Co., kgs. lb. 1.25 - —
Hygrade,[6] bbls. lb. 2.04 - —
feed grade, 62% Co., kgs. lb. 2.25 - —
Linoleate, paste, 5%, dms. lb. .32 - .35
solid, 8½%, dms. lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms. lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs. lb. 1.25 - —
Oleate, bbls. lb. .44 Nom
Oxide,[6] black, kgs. lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs. lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms. lb. .33½- —
Soyate, 8%-8.5% Co., 50-gal. dms. lb. .42 - .44
Sulphate,[6] dms. lb. .65 - —
feed grade, 21% Co., kgs. lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York
Cobalt-ammonium sulphate, 14% Co., kgs. lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .37 - .38
silver, Teneriffe, bgs. lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt. lb. .25 - —
Cocillana bark, bgs. lb. .28 - .30
Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls. lb. .18 - .20
blue, bls. lb. .18 - .20
Colchicine, bots., cns. oz. No stocks.
Cochicum seed lb. No stocks.
Collodion, USP, dms. lb. .19½- .20½
cns. lb. .23 - .29½
flexible, USP, dms. lb. .21 - .22
cns. lb. .25 - .31
Colocynth pulp, bls. lb. .60 - .65
Colombo root, bls. lb. .19 - .20
Coltsfoot leaves, bgs. lb. .90 - 1.00
Condurango bark, bg. lb. .12 - .15
Copaiba balsam, Peru, cns. lb. .47 - .49
S. A., USP, cns. lb. .50 - .52
Copper acetate,[6] cupric, bbls., dlvd. lb. .24 - —
smaller containers, dlvd. lb. .26 - .50
Carbonate,[6] 52-54%, bbls. lb. 19½- .20
Chloride,[6] anhyd., bbls. lb. .22½- .26
crystals, bbls. lb. 14¾- .17
Cyanide,[6] tech., bbls. lb. .34 - .38
Iodide, bots. lb. 5.15 - 5.19
Metal,[1,6,5] electrolytic. lb. .12 - .12¼
Naphthenate, 6%-8% Cu, 50-gal. dms. lb. .15 - .17
Nitrate,[6] tech., cryst., bbls. lb. .16¾- .20
Oleate, precip., bbls. lb. .22½- .29½
Oxide,[6] black, bbls., works. lb. .19 - .2-
red, com'l, kgs. lb. .20 - .22
Oxychloride-sulphate,[6] bgs. lb. .17 - .20
Copper resinate, precip., 8.3% Cu, 125-lb. dms. lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works. 100 lbs. 5.00 - —
7,200 to 36,000 lbs. 100 lbs. 5.15 - —
2,700 to 7,200 lbs. 100 lbs. 5.25 - —
700 to 2,700 lbs. 100 lbs. 5.50 - —
monohydrated, bgs., in dms., c.l., dlvd. 100 lbs. 9.95 - —
l.c.l., same basis. 100 lbs. 10.95 - —
dms., c.l., dlvd., same basis, 100 lbs. 8.95 - —
l.c.l., same basis. 100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works. ton. 17.00 - —
bbls., c.l., works. ton. 20.00 - —
l.c.l., 25, works. 100 lbs. 1.55 - —
1-4, works. 100 lbs. 2.00 - —
bulk, c.l., works. ton. 14.00 - —
Copra, Coast, ship't. lb. No prices
Coriander seed,[1] Indian, bgs. lb. No stocks
Morocco, bgs. lb. .13¼ Nom.
Cornsilk, bls. lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd. 100 lbs. 3.905 - —
slabs, bbls., c.l. 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l. 100 lbs. 4.221 - —
43°, bbls., c.l. 100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more. lb. 1.59 - —
gran., powd., dms., 50 lbs. or more. lb. 1.44 - —
Cottonroot bark, bls. lb. .18 - .19
Cottonseed hull ash, 32-36% potash, bgs., dlvd. unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l. ton. 45.00 -49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more. lb. 2.75 - —
smaller lots. lb. 2.90 - 3.10
Cramp bark, NF, bls. lb. .80 - .85

what's new... CHOLINE!

Are you giving consideration to this new member of the vitamin B complex?

This new vitamin is currently the subject of much clinical research, and is rapidly gaining recognition. Recent clinical experiments with choline show promise in the alleviation of cirrhosis of the liver.

Results with experimental animals indicate that a dietary deficiency of choline produces various pathological symptoms, including fatty and cirrhotic livers, hemorrhagic kidneys and bone deformities.

Other potential uses of choline are outlined, in detail, in Calco technical literature . . . which is available upon request.

Choline is offered by Calco in two forms: (1) CHOLINE CHLORIDE, which is the most commonly used salt of choline; and (2) CHOLINE DIHYDROGEN CITRATE, which is a more recently developed form developed by Calco for pharmaceutical use.

CHOLINE DIHYDROGEN CITRATE has a pleasantly acid taste and is somewhat less hygroscopic than the chloride, consequently it is more suitable for use in pharmaceutical preparations.

New Products

Choline Chloride
Choline Dihydrogen Citrate

★

Ask, Also, About These Other Available CALCO Products

Sulfadiazine U.S.P. and Sodium Salt
Sulfapyridine U.S.P. (and Sodium Monohydrate)
Nicotinamide U.S.P.
Sulfanilamide U.S.P.
Cinchophen N.F.
Neocinchophen U.S.P.
Sulfathiazole U.S.P. (and Sodium Monohydrate)
Mandelic Acid U.S.P.
Methylene Blue U.S.P. (Powder-Crystals)
Calcium Mandelate U.S.P.
Glutamic Acid HCL
Calcium and Sodium Pantothenate
Menadione
Phenothiazine (For Veterinary Use)
Certified Colors for Pharmaceutical and Cosmetic Use

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Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY

Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —
Creosote carbonate, bets., cbys., lb. 2.10 - 2.20
Coaltar, oil,[2] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots.....lb. 1.04 - —
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,3] special resin grades, dms., c.l., works, frt. equald., lb. .09¼- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10¾
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[5] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.62½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —

Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09¼- —

Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nov., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 96-100%, works..lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. al'd. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., divd., gal. .27 - —

D

Dandelion root, bls.....lb. .30 - .32
Decanol,[6] normal, tech., dms., divd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1,6] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .16 - .17
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.20 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.30 - —
Cincago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —

Dextrin, corn, white, bgs., c.l.... 100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., divd.....lb. .2220- .2250
tanks, divd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP., bgs., c.l., Atlantic Coast.. lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast. ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic Coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2470- .2500
1-gal. cns., same basis..lb. .2670- .2700
dms., c.l., same basis....lb. .1940- .2330
l.c.l., same basis.....lb. .1990- .2380
tanks, same basis.....lb. .1840- .2280
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —

Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., divd....lb. .3020- —
l.c.l., divd.....lb. .3070- —
Phthalate,[6] dms., c.l., divd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Digiycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .14½- .15
Dimethyl phthalate,[6] dms., c.l., divd..lb. .1875- —
l.c.l., divd.....lb. .1925- —
tanks, divd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol)
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .37
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., tons, divd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., divd. E..gal. .55 - .58
tanks, divd. E.....gal. .45 - —
single dist., dms., divd. E..gal. .55 - .58
tanks, divd. E.....gal. .53 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .19 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] bgs., ex dock.....ton. 68.00 - 70.00
Doggrass root, imp., cut, NF, bls..lb. .45 - .50
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls.....lb. .08 - .10
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
Green, FD&C green, No. 1 cns. lb. 13.50 - —
FD&C green, No. 2, cns...lb. 17.50 - —
FD&C green, No. 3, cns...lb. 27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 2.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb. 12.35 - —
Brown, D&C brown, No. 1, cns. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
Red, D&C red, No. 8, cns...lb. 7.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb. 15.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb. 10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3, cns..lb. 21.35 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb. 12.35 - —
Ext. D&C red, No. 13, cns.lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202, Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .80 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .86
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .66
496 Benzo purpurin 10B..lb. .40 - .50

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GATX GENERAL AMERICAN

GENERAL AMERICAN TRANSPORTATION CORPORATION

uilders and Operators of Specialized Railroad Freight Cars ★ Bulk Liquid Storage Terminals ★ Pressure Vessels and other Welded Equipment ★ Aerocoach Motor Coaches ★ Process Equipment of all kinds ★ Fruit and Vegetable Precooling Service

Dyes, coaltar, for general uses[3] (numbers are those of Colour Index scale)—

502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
612 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Black—
865 Nigrosin derivatives..lb. .36 - .44

Blue—
7076 Alizarin astral base.lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —

Brown—
Brown .....lb. 1.15 - —

Green—
1078 Alizarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —

Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red—
75 Sudan II.....lb. 1.05 - —
268 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[4] violet base..lb. 6.00 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
798 Phosphin .....lb. 4.65 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol Red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —

Red:—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A*.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .00 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841..Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
955 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
960 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes natural (see name of article).

E

Echinacea root, bls.....lb. .90 - .95
Egg[1] albumen (see Albumen).
Yolk, dried, dom.....lb. 1.06 - 1.12
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .58 - .59
Elecampane root, bls.....lb. No stocks
Elm bark, grinding, bls.....lb. No stocks
powd., bbls., bxs.....lb. No stocks
select, bndls.....lb. .50 Nom.
Emetine[4] hydrochloride, bots..oz.21.00 -35.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 oxs..oz. .65 - —
Hemihydrate, bots., 100 oxs. oz. .65 - —
Hydrochloride, tins, 100 oxs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 oxs. or more..oz. .48 - —
Epinephrine, synth., USP, bots., gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.00 - —
kgs., c.l.....100 lbs. 2.85 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l. .....lb. .08 - .09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, dms.....lb. 1.40 - 1.45
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic ..see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld..lb. 11.70- 12.75
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld.. lb. .1225- .1335
l.c.l., frt. alld.....lb. .1376- .1335
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .57½- —
l.c.l., frt. alld.....lb. .58 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E....lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.35
Formate, dms., f.o.b. Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .23 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works.lb. .50 - —
smaller lots, same basis....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0342- —
West of Rockies, same basis..lb. .0391- —
l.c.l., works, E. of Rockies, same basis..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] dms., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., dms.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmorphine hydrochloride, bots..oz.10.55 -10.75
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more. lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .12
Eugenol, cns., dms.....lb. 2.65 - 2.75
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min., 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 - 12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., same basis.....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir balsam, Canada, cns.....gal.19.00 -20.00
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishoils (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton.66.50 - —

SPOT DELIVERIES

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INSIDE NEWS

OCTOBER PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1944

Christmas in October

Ordinarily, it's difficult to foresee the future, but here is one event we can forecast and provide for *now* — Christmas.

Every one of us has a son or other relative in the armed forces, or a boy from our own Company. Every one of us knows what a terrific letdown Christmas would be without a package from home.

The boys in the army and navy aren't fighting *all* the time — the long periods of inaction are monotonous and hard to bear. It's then that strange thoughts are born — "Have they forgotten me back in the office (or shop)?" — "Will I get my old job back?" — "Wonder if the old crowd are stopping in at Joe's for a beer on the way home Christmas Eve?"

Christmas is a sentimental season. It's easy to be Christmasy in December, but we have to do something about it now, in October. So let's be sweating Santa Clauses and do our Christmas shopping — *and mailing* — now.

First, decide what you think the boy would like — books, candy, cake, razor blades, tooth and shaving creams, etc. Then talk to the special departments that all the larger stores maintain. They will not only suggest things you might overlook, but will tell you how to pack it or do it for you.

But you must initiate the move. Don't wait till Christmas and then be sorry you forgot.

We are publishing this message to you in the pages of your business paper with the belief that you read it in your office, where you can do something about it. Evening newspapers, magazines, and radio are read and heard at home and their messages must be remembered and carried to the office. But if you are reading this in your office, pick up your phone and order those Christmas packages now! 760

Ultraviolet Sterilization

A method has been developed for sterilizing and concentrating pineapple and other fruit juices at a temperature which will not destroy the nutritional value or the flavor. The method is based on the use of ultraviolet radiation to sterilize the air in the room in which the juices are processed, and also to sterilize the juice itself. The juice is passed in a very thin film flowing under the sterilizer lamps, and then goes directly to the vacuum evaporator, where concentration is assisted by agitating the juice with dry ice which also has been subjected to the ultraviolet sterilization. 761

Biscuit Packing

A machine has been patented which rapidly counts, arranges and stacks ready-to-bake biscuits or similiar articles, preparatory to packaging or sealing in cans. 762

Polishing Cloths

Polishing cloths or rags intended primarily for use on metals often consist of woolen fabrics which have been saturated with fatty oil, mineral oil, paraffin, or a mixture of these, containing in suspension a very finely powdered abrasive such as tripoli or infusorial earth. Suspensions of abrasive in soap solutions, pine oil, ammonia, etc., have also been used. 763

Fire Extinguisher

A product made by agitating the root of the African plant Randia vestitia in water forms a foam that is finding commercial use as an excellent fire extinguisher. 764

Bamboo Possibilities

American-grown bamboo poles, not acceptable before the war where long smooth surfaces were desired, now compete with imported bamboo by a process of impregnating the stalks with a plastic material. Bamboo pulp shows experimental promise for making thin white paper as for cigarettes. 765

DDT for Moth Proofing

The new synthetic insecticidal raw material, DDT, which is finding extensive wartime use as the toxic ingredient in Army louse powder, is also indicated to have useful applications as a moth proofing agent. Wool treated with a water emulsion containing an extremely dilute concentration of DDT has been found to be resistant to carpet beetle larvae. Underwear treated with the emulsion was found to retain its protective qualities even after repeated washings with soap and water over a period of several months. 766

Fanweed Oil

Fanweed Oil, a high grade vegetable oil, has unusual properties, making it suitable for special lubricants in addition to its value for its drying properties in paints, lacquers and as a purified salad oil. Fanweed contains 30 to 40% oil and can be produced in unlimited quantities. Test plantings at Montana State College show a yield of 500 lbs. per acre. 767

Fish Oil

The Florida Agricultural Experiment Station suggests a combined fish oil, using cod liver oil high in vitamin D but low in A with shark liver oil for which the reverse is true for a balanced vitamin oil. 768

Pineapple Development

According to an official report, Brazil has been experimenting for several years crossing existing varieties of pineapple with wild varieties to produce a thornless variety. The state of Sao Paulo is favorable for pineapple culture. 769

Motor Lubricants

An improved pour-point depressant for motor lubricants has been developed by a large chemical manufacturer. The producer states that the product is priority-free and offers the advantages of improved pour-point stability, satisfactory winter storage and pourability at below zero temperature. 770

Cane Wax

Cane wax made in processing sugar cane is now in commercial production in Australia. The small production so far is taken by the government. 771

Citrus Pectate Pulp

Citrus Pectate pulp is solving the problem of storing and shipping synthetic rubber which tends to flow and stick to the walls of shipping containers. The rubber adheres to the pectate pulp film eliminating adherence to the containers. The pulp film forms a minute and entirely innocuous constituent of the rubber. 772

Soilless Farms

Soilless Farms are being established in barren south Pacific islands to provide fresh vegetables for GI's and the Air Force. The army is establishing hydroponic specialists for these projects. 773

Radio Protects Your Breakfast

Radio frequency conductivity measurements will tell the age and condition of shell eggs more quickly and much more accurately than methods now in use. The tests can be applied to fresh eggs or to those held in storage. 774

Clean Ships for Fish

Fish will reach the canning plants in better condition when the holds and decks of the fishing boats are properly cleaned and sterilized. Formaldehyde was used for this purpose some years ago, but has largely been replaced by "free-chlorine" compounds. Re-

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Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, French, black, bgs..lb. .70 - .73
Indian, blonde, bgs.....lb. .14 - .15
Fluorspar, No. 1, ground, 96-98% CaF_2, bulk, c.l., mines.
net ton.37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton.33.00 - —
65%, mines.....net ton.32.00 - —
60%, mines.....net ton.31.00 - —
less than 60%, mines..net ton.30.00 - —
Formaldehyde,[1,2,6] bbls., c.l., works..lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .70 - .75
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines.
ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works.
lb. .15½- —
l.c.l., works.....lb. .18 - .25½
tech., dms., contracts, 150,000 lbs. .10 - —
c.l., works.....lb. .13 - —
l.c.l., works.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works,gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic, cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12¼- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .30 Nom.
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refnery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .03⅞- —
Bayonne, 70-74 oct., tanks.. gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .06⅜- .06½
Group 3, 70-74 octane, tanks, gal. .06½- .06⅜
natural, 26-70, tanks....gal. .04⅜- .05
Oklahoma-Texas, US motor, 70-74 octane, tanks..gal. .05⅞- .06
Pennsylvania, western, U. S. motor 70-74 octane, leaded, tanks..gal. .07⅜- .0895
Gelatin, silver, label, ctns., dlvd. lb. .90 - .97
export, cases.....lb. 1.00 - —
Silver gelatin prices 5c. higher for deliveries in:—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., and Wyo.
Gelsemium, root, bls.....lb. .23 - .25
Gentian root, bls.....lb. .41 - .42
grd., bbls., bxs.....lb. .46 - .47
powd., bbls., bxs.....lb. .47 - .48
Geraniol, 92-96% cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .27 - .27½
Cochin, bleached, bgs.....lb. .28 - .29
unbleached, bgs.....lb. .25½ Nom.
Jamaica, No. 1, bgs.....lb. .30 - .31
No. 2, bgs.....lb. .26½- .27
No. 3, bgs.....lb. .23½- .24
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works... 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers,' calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis..lb. .15½- —
58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls. ½c. over bags.
Glycerin, crude, saponification, 80%, to refiners, tanks..lb. .11¼- —
soapiye, 80%, tanks.....lb. .10 - —
Glycerin, dynamite, dms., c.l..lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14½- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l. .....lb. .15¾- —
tanks .....lb. .15¼- —
B.P., 98%, dms., c.l.....lb. .15¾- —
l.c.l. .....lb. .16¼- —
tanks .....lb. .15¼- —
yellow, distilled, dms., c.l...lb. .15¾- —
l.c.l. .....lb. .15⅞- —
tanks .....lb. .14½- —
Zone C, territory west of Zone B.
Glycine, medicinal, bbls., tins.lb. 1.25 - 1.30
Glycol borisorate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots., oz.20.75 -21.00
acid-yellow, bots.....lb.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal, root, bls.....lb. 7.00 - 7.50
powd., bxs.....lb. 7.25 - 7.75
Grains of Paradise, bgs.....lb. .30 - .37
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works..lb. .04½- —
70-75% bgs., same basis..lb. .05 - —
75-80%, bgs, same basis..lb. .05½- —
80-85%, bgs., same basis..lb. .06 - —

NATIONAL CAN

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cent Canadian tests show that the trend to chlorine compounds has been unfortunate, and formaldehyde solution, 9 parts per thousand, is more effective. The corrosive action of the formaldehyde on metal parts can be inhibited by additions of ½ part per thousand of sodium nitrite, without destroying the bactericidal power of the solution.

The surfaces to be treated must be scrubbed clean of adherent protein and fatty residues. 775

Coffee Extract

The problem of maintaining a desirable flavor in quickly soluble coffee powder has been receiving the attention of food technologists for a long time. One of the latest in the series of patents on coffee powder is based on the idea of leaving in the natural coffee oil that is usually removed because of its tendency to rancidity.

It has been found that by hydrogenating some of the coffee oil, and also including this in the product, the natural coffee oil, with its contribution to the flavor, can be kept from becoming rancid. Other hydrogenated vegetable oils may be substituted for the hydrogenated coffee oil, but the latter is preferable. 776

Condensed Milk for Ice Cream Making

In making ice cream and candy it is of advantage to use a highly concentrated condensed milk with a low lactose content. But the condensed milk with lactose removed has a tendency to thicken very rapidly and to a high degree, so that it cannot be stored for long periods before use. It has been found that when cane sugar or dextrose is added to the milk during processing, so that the final product has a high content of sugar in the water and sugar portions, the low lactose skimmed milk remained sufficiently fluid for use even when it is stored for considerable periods at a temperature of 50 degrees F., or below. This sugar, of course, can be figured in the final mix. 777

Vitamins in Sweets

Following the idea of making your vitamins easy to take, as well as that of adding vitamin concentrates only to products which will stand up well under storage conditions, the National Research Laboratories of Canada have studied the effects of the conditions of storage on the stability of ascorbic acid in candy coated chewing gum, hard candy, orange concentrate tablets and in commercial jams. All of these maintain a fair degree of vitamin potency when subjected to controlled storage tests. Up to 75 degrees F. storage temperature, and relative humidity also in the range of 75% or more, the fortified sweets were satisfactory. The hard candies with added ascorbic acid seemed to be preferable to the natural concentrates of orange juice, although it is suggested that improved processing would make the natural concentrate tablets more desirable. 778

Technical Topics

BIOTIN — Biotin, found in egg white, tears, saliva and other secretions, with avidin, also in egg whites, etc., as a carrier, is a new clue to the action of lysozyme, a bacteria dissolving substance known to be present in egg white. 779

AIR STERILIZERS — Sprays consisting of hexyl-resorcinol in propylene glycol are proving effective in the sterilization of air. Hypochlorites and hypochlorous acid have also been used successfully. One gram of propylene glycol dispersed as vapor in 5 or 10 ml. of air and 1 gram of triethylene glycol vapor in several million ml. of air were found to kill pathogenic respiratory bacteria and the virus of influenza in air in seconds or minutes. 780

VANILLIN — The chemical vanilla, has been found present in amount 3.2 to 6.4% of tung nut shells. This is due to the high per cent of lignin in the shells. 781

RICE BRAN OIL — Interesting properties are planned in a new patent for rice bran oil particularly when sulphonated. Cosmetic uses are stressed. 782

N.D.G.A. — A new substance for preventing rancidity, already used by the armed forces for preserving fatty foods, is nordihydroguaiaretic acid called N.D.G.A. It is obtained from the Cresote bush Larrea Divaricata which grows in semi-arid regions of the United States. It is a white crystalline nontoxic substance. 783

OXIDATION OF PARAFFIN WAX — In a commentary on the work that has been done to produce fatty acids through oxidation of paraffin wax and similar fractions, the prediction was made that fatty oils synthesized from these fatty acids and glycerol may be made from protylene that are suitable for use in human food. 784

DENTAL-FILLING CEMENT POWDER — (Aluminum oxide, felspar, calcium fluoride, silica, zinc oxide, and manganese dioxide) which is set by mixing with a liquid (phosphoric acid, zinc oxide, zinc phosphite and aluminum phosphate) is improved by reinforcing with a 275-mesh powdered metal or alloy or mixtures (steel and palladium, stainless steel and silver, manganese and iron), according to a British patent. 785

IRON PRECIPITATION — Prevention of the precipitation of iron held in solution in water and the consequent discoloration of the water is claimed in an English patent to be achieved by the addition of a small proportion of a molecularly dehydrated alkali-metal phosphate. Sodium hexametaphosphate 1:1 relative to parts of iron per million prevents precipitation and reduces discoloration to a minimum; in the proportion of 4:1 all discoloration is prevented. 786

LITHARGE — Combined progressive melting and oxidizing of lead to form lead oxide (litharge) are the features of a recently reported English patent. A heated oxidizing gas, derived from one source is employed, to act upon the atomized lead particles as they pass through a conduit of such length that all the lead is burned in transit and the oxide is free from metal. 787

TECHNICAL SULPHURIC ACID—In 2% to 2.5% aqueous dilution is reported to be effective and less injurious than copperas, chlorate of soda, or calcium cyanide, as a weed-killer in onion seeding beds. 788

VITAMIN C IN BEVERAGES — D-isoascorbic acid will protect the vitamin C form, l-ascorbic acid, from oxidation in water solutions, because of its greater oxidation rate. Test solutions were buffered to pH 4 with secondary phosphate and citric acid, then bottled and pasteurized in a manner similar to the usual process for beverages. 789

EDIBLE LINSEED OIL — Canada does not produce many oil seeds except flax, so that attempts to produce an edible oil from the latter have been renewed during the present shortage. The disadvantage lies in the fact that when linseed oil is hydrogenated to an iodine value between 75 and 100, in the range of the usual commercial shortenings, there is a rapid development of an unpleasant flavor on heating. When it is hydrogenated beyond this point, to an iodine value of about 40, the flavor difficulty is overcome, but the product is too hard to be used as shortening, unless blended with a liquid oil such as cottonseed. Blends of linseed oil (about 25%) with cottonseed oil or with sunflower oil have been hydrogenated to a fairly satisfactory product. 790

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York City. Please mention the number at end of article — also name of the magazine you saw it in.

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Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content 85-90%, bgs., same basis..lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,8] house, loose.....lb. .08¼- —
white, choice, loose.....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —

Green, chrome, reduced, 51-55%, bbls., same basis..lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis, lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast: for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .20 - .22
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms.lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25

Gum, arabic, amber, sorts, bgs., lb. .11½- .13
white, sorts, 1, bgs.....lb. .25 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15¾- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼- —
No. 35, bgs., same basis.lb. .15½- —
36, bgs., same basis....lb. .12¾- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10¾- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11¾- —
unsorted, No. 1, bgs., same basis..lb. .14¾- —
2, bgs., c.l., same basis..lb. .12¾- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis.. lb .14⅞- —
Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis.. lb. .05¾- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —

Gum, copal, E. I., pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis....lb. .11½- —
dust, same basis.....lb. .05¼- —
nubs, same basis....lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .23¾- —
chips, same basis....lb. .11¼- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16¾- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07¾- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bakts, c.l., same basis..lb. .13½- —
dark, light, same basis.. lb. .14½- —
white, same basis.....lb. .15½- —
loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15½- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l., lb. .06¾- —

Gum, copal, Philippine,[1] Manila, extra bold, pale scraped, bskts., same basis..lb. .15 - —
sorts, same basis.....lb. .12¾- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis. lb. .13¾- —
seeds, dust, same basis...lb. .08¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅞- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23¾- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¾- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34½- —
C, same basis.....lb. .28¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis..lb. .12¾- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum dammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09¾
Ester, ord., dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va.. W. Va..lb. .09¼- —
other points, dlvd.....lb. .10 - .11
l.c.l., dlvd. Ill., Ind., etc., lb. .09¾- .10
other points, dlvd.....lb. .10¾- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.. lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis....lb. .34 - —
superior, same basis....lb. .31 - —
higher.
No. 2, extra, same basis....lb. .30 - —
superior, same basis....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x. same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis..lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .23½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis..lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .68 - .70
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .59 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99¼- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered.....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.65 - —
Harlem River, N. Y., frt. equald..ton. 28.25 - —
Medicine Lodge, Kan., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 28.25 - —
Southard, Oklahoma, frt. equald..ton. 17.00 - —
Sweetwater, Texas, frt. equald..ton. 21.45 - —
Plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Acme, Tex., frt. equald.. ton. 12.50 - —
Harlem River, N. Y., frt. equald..ton. 13.00 - —
Medicine Lodge, Kansas, frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Oklahoma, frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N.Y., Blue Rapids, Kan., Clarence Center, N. Y.; Fort Dodge, Ia., Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton. 12.00 - —
New Brighton, N. Y.; Southard, Okla..ton. 12.00 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[2,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .90 - 1.00
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .26 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots. oz. 37.50 - 42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz. 20.00 - —
Hydrochloride, bots.....oz. 20.00 - —
Sulphate, bots.....oz. 20.00 - —
Hydrastinine, 10 grs., bots.....bot. 1.95 - —
Hydrastic (see Goldenseal).
Hydrofluramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls., lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz. 20.00 - 37.50
Hydrobromide, bots.....oz. 20.00 - 37.50
Sulphate, bots.....oz. 20.00 - 37.50
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N. F., bots.....lb. 2.45 - 4.80
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 23.00 - 24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28¼- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 390-lb. dms...100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kgs., works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., lump, bbls..lb. .07½- —
dms.....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07⅛
djns.....lb. .10 - —
Citrate, USP VIII, gran., dms.lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .39 - .53
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black Iron oxide).
Phosphate, ferric, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms., lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¾- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate,[6] bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl triocyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,[6] dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06¼- —
tanks.....lb. .04½- —
Isopropylamine, dms., works...lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .39 - .40
powd., bbls., bxs.....lb. .46 - .47
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .70 - .85

K

Kamala, tins.....lb. .40 - .45
Kaolin (see China clay)
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:
Ark., 41-43 w.w., bulk, tanks, gal. 04½- .04¼
Bayonne, 41-43 w.w., tank... gal. .07⅛ - —
Gulf ports, 41-43 w.w., bulk, gal. .04¼- .04½
Kerosene, at refinery, Okla., Texas, 42-44 w.w., tanks, gal. .04⅝- .04¾
Penn., 45 w.w., tanks....gal. .07½- .08
46 w.w., tanks.....gal. .07¼- .07⅝
47 w.w., tanks.....gal. .07⅜- .08
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.25 - 1.50
Lanolin (see Adeps lanae).
Lard,[1,5] pure, ref., trcs.....lb. .1522½- —
Chicago.....lb. .1455- —
Larkspur seed, bgs.....lb. 3.25 - 3.50
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .30 - .31
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .18 - .18½
Turkish, bls.....lb. .34 - .35
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,8] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, standard, cns., c.l..lb. .05⅜- .06
l.c.l.....lb. .06 - .06½
powder, basic, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
standard, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
l.c.l.....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .23½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, powd., bots..lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12¼- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .23 - —
Red, dry, 93% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¼- —
other points.....lb. .10 - —
97%, Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala. lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points, dlvd.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd. Ala. etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 28.3% Pb., 160-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb. 50-gal. dms. lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).
Tallate, 16% Pb, 60-gal. dms. lb. .08¼- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
dlvd., other points..lb. .08¼- —
l.c.l., dlvd. Ariz., etc..lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
Lead, white, in oil, consumers, kgs..lb. .13¼- .13¾
dealers, 100-lb. kg.....lb. .11½- .11½
painters, 100-lb. kg.....lb. .12¼- .12½
Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
in cocoa butter, dms., c.l....lb. .39½- —
l.c.l.....lb. .40¾- .59
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls....lb. .08 - .09
powder, bbls.....lb. .14 - .15
Russian, bls.....lb. .08½- .09
Spanish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Agnville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va...ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va....ton. 9.00 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va...ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 10.00 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 9.00 - —
Marblehead, Ohio....ton. 11.00 - —
Rockland, Me.....ton. 10.00 - —
Scioto, Ohio.....ton. 9.00 - —
Woodville, Ohio....ton. 11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen,[6] 20.5% N, bgs., works..ton. No stocks
Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, cns.....lb. 3.25 - 8.75
Linden flowers with leaves, bls.. lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton. 45.00 - —
32%, bulk, c.l.....ton. 43.00 - —
Litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium[6] bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobella sulphate, bots., wks..oz. 25.50 - 38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. No stocks
Lupulin, NF, tins.....lb. 7.00 - 10.00
Lycopodium, USP, cs.....lb. 2.75 - 3.00

A TRIBUTE TO THE *Air Force* BY THE MAKERS OF TRI-SURE CLOSURES

WINGS AT DAWN

In nineteen-forty, Spitfires and Hurricanes
Took over the skies in those fateful days.
The R.A.F. fought the Battle of Britain,
And started the liberty light to blaze.

The December morning Pearl Harbor was struck,
You fought with a handful of planes.
Now the blasting of Tarawa, Saipan and Truk,
And Palau inspires further gains.

Your spirit relighted the Peace Lamps this year,
You fought in the American Way.
Now Berlin and Tokio tremble with fear
At the approach of their Judgment Day!

Eastward and Westward your legions fly
For the freedom of generations unborn.
The eyes of us all look up to the sky —
Happy landings to your Wings at Dawn!

Kay Twomey

Tri-Sure
CLOSURES

America's preeminence in the air has been won by the valiance of men, the power of planes — and the excellence of American fuel. The protection of that fuel — an ingredient of victory — is the war service of Tri-Sure Closures. When you see Tri-Sure Closures on a drumhead, you know that every drop inside is safe from seepage, leakage and contamination.

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TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Bands, cs.....lb. .98 - Nom.
West Indian, bgs.....lb. .62 - .63
broken, bgs.....lb. .55 - .56
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .06½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¼- —
bbls. .....lb. .09¾- —
kgs. .....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd.lb. .13 - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Magnesia, hypophosphite, cns..lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Manganese, glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Magnesia soyate, 8.2% Mn, 50-gal. dms..lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account.....ton.70.00 - —
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .29 - .30
California, French type, bls., f.o.b. Pacific Coast..lb. .45 - .47
Chilean, bls.....lb. .33 - .33½
Portuguese, wild, bls.....lb. .30 - .31
Matico leaves, bls.....lb. .22 - .29
Menthol,[1] natural, Brazilian, cs., 500 lbs..lb.16.00 -16.50
smaller lots.....lb.16.50 -16.90
synthetic, USP, cs.....lb.13.00 - —
technical .....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10% tubs..lb. .70 - .72
30%, pails.....lb. 1.19 - 1.21
50,% pails.....lb. 1.54 - 1.56
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.15 - 2.17
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.34 - —
Iodide,[2] red, NF, dms., kgs.lb. 3.90 - —
yellow, fib. dms., kgs.....lb. 4.00 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red precipitate).
tech. (see Red, mercury oxide)
yellow, NF VI, fib. dms..lb. 2.34 - 2.36
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.49 - 1.54
dms.....lb. 1.42 - 1.44
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic,[6,9] dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd. lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd. lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

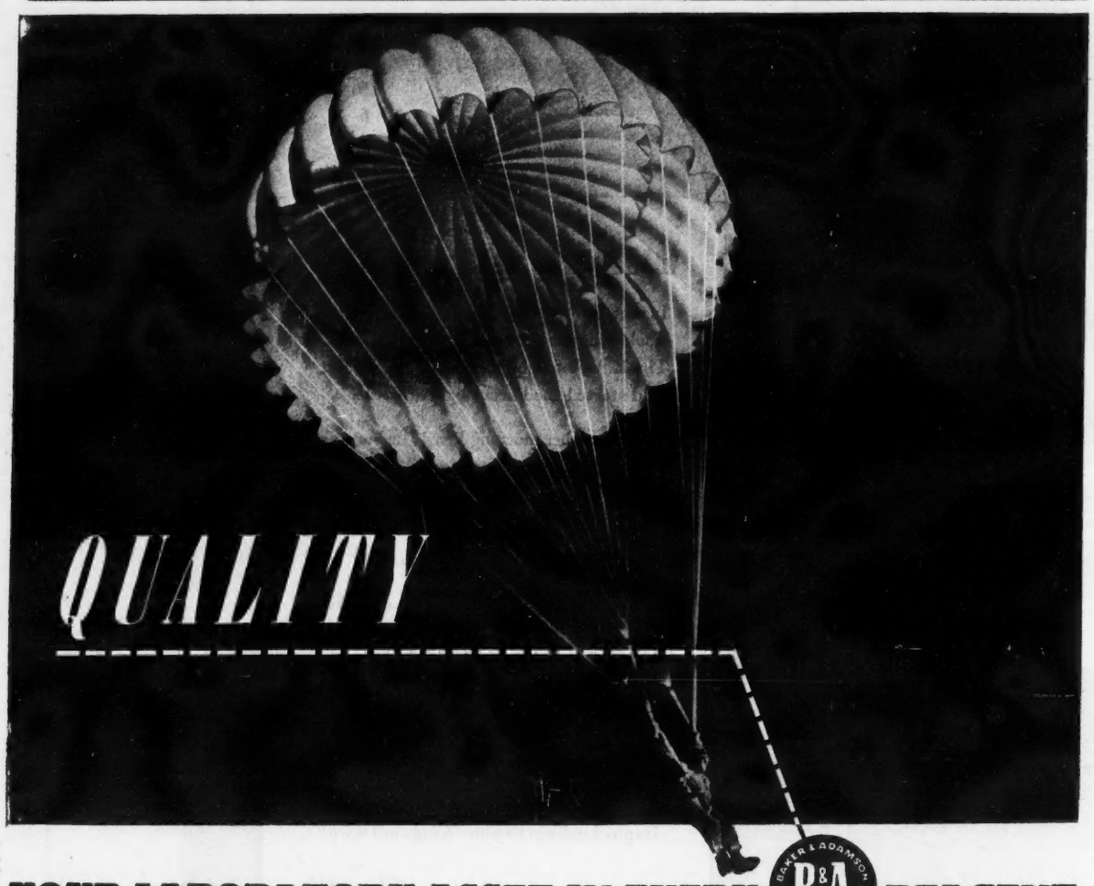
Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
Methyl acetone, nat., group B, tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 4.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. .. N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.



YOUR LABORATORY ASSET IN EVERY B&A REAGENT

When the ripcord is pulled, *quality counts.* The paratrooper hurtling toward the ground stakes his life on the quality of materials and workmanship that have gone into his 'chute.

With the chemist, too, *quality counts* . . . for upon the quality of the reagents he uses depend the results of all his work. *That's* why so many chemists specify Baker & Adamson Reagents. They know B&A Reagents are quality products whose purity and uniformity are assured by the strictest manufacturing standards and advanced control methods. That's why we say . . . when *quality counts—specify B&A Reagents!*

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Pacific Coast Technical Service Offices:
Los Angeles • San Francisco • Seattle, Wenatchee and Yakima (Wash.)

In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

Methyl alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —

Lactate, dms., c.l., dlvd.....lb. No stocks
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38

Methylamyl ketone, dms., cns., works..lb. .25 - .28

Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —

Methylcyclohexane, 98-100%, dms., works..lb. .16 - —

Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —

Methylcyclohexanone, 98-100%, dms., works..lb. No stocks

Methylene blue, medicinal, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15

Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —

Methylhexyl ketone, dms., tech., works..lb. .60 - —

Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —

Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10

Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —

Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l.....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l.....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l.....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l.....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l.....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾- —
l.c.l.....lb. .04¼- —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l.....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
l.c.l.....lb. .04¼- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l.....lb. .05¼- —
paper, bgs., c.l.....lb. .04¾- —
l.c.l.....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l.....lb. .05 - —
wallpaper, bgs., c.l.....lb. .04¾- —
l.c.l.....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I. and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼

Mineral spirits (see Petroleum, mineral spirits)

Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex., Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate),

Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00

Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —

Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —

Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —

Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —

Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l.....lb. .07 - .09
tanks.....lb. .05 - —

Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis.....lb. .25½- —
tanks, same basis.....lb. .23½- —

Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —

Monoethylaniline, dms.....lb. .47 - —

Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00

Monomethylamine, dms.....lb. .65 - —

Monosodium phosphate (see Soda phosphate, monobasic),

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —

Morphine, hydrochloride, 5 oz. bots—oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13

Mullein leaves, cns.....lb. .75 - —

Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more. lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more. lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90

Musk root, bls.....lb. 2.25 - 2.30

Mustard seed, Calif., brown, bgs. lb. .16½- .17
Montana, yellow, bgs.....lb. .12 - .12½
Washington, yellow, bgs.....lb. .12 - .12½

Myrobalans,[6] J1, whole, bgs., frt. guar., insurance, $1. Any difference for buyers' account. ton.70.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis... ton.58.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).

Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —

Naphthalene, crude, dom., 78°, bgs., c.l., same basis...lb. .0325- —
bbls., c.l., same basis...lb. .03.5- —
tanks, same basis.....lb .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .03 - —
50-lb. cs., same basis....lb. .03¾- —
1-lb. pkgs., same basis...lb. .06¾- —

Neocinchophen, USP, dms.....lb. 7.30 - 7.10

Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.

Nerolin, cryst., cns.....lb. 1.70 - 2.00

Niacin (see Acid, nicotinic).

Nickel,[6,5] carbonate, bbls.....lb. .86 - .86½
Chloride,[6] obls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,5] black, bbls.....lb. .35 - .38
Salt,[6,5] bbls.....lb. .13 - .13½

Nicotine sulphate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —

Nicotinamide,[6] dms.....kilo.13.25 -13.55

Nikethamide, bots., cbys.....lb.18.00 -19.00

Nitercake, bulk, works.....ton.16.00 - —

Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —

Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —

Nitrocellulose, ester-soluble, 5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks..ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis Hopewell, Va.

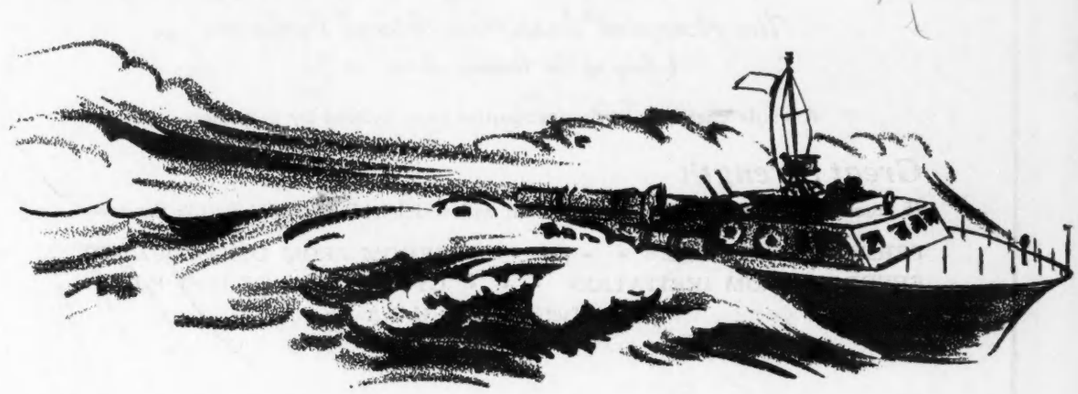
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + .40- 3.00 + .40

Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[1] E. I., grinding, bgs., lb. .45 - .46
100's, bgs.....lb. .47 - .48
West Indian, No. 1, bgs.....lb. .34 - .34½
Nux vomica, bls.....lb. .09 - .11
powder, bbls., bgs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .20 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 300-lb. dms., dlvd..lb. .85 - —

with **SPEED**
the **KEYNOTE**



Production of Protective Coatings moves steadily *with* Harshaw Driers

LIQUID DRIERS
Uversol Liquids
Linoresinate Liquids
Linoleate Liquids
Lithes
Pastes

SOLID DRIERS
Uversol Solids
Linoresinate Solids
Linoleate Solids
Soyate Solids
Fused Resinates

POWDERED DRIERS
Precipitated Resinates
Drying Salts:
Cobalt
Lead
Manganese
Zinc

The continuous flow of America's war production is playing an important part in hastening the end of world conflict. Harshaw Driers are participating actively in reaching this goal.

There is a Harshaw Drier . . . liquid . . . solid . . . powdered . . . to fit your present production facilities. Stir it in . . . cook it in . . . grind it in.

Each batch of Harshaw Driers, no matter what form, is of uniform quality. The standard requirements of metal content, viscosity, color and stability are checked carefully before shipment is made.

Select the form of drier you can use with your equipment for uninterrupted production. Order from Harshaw with confidence.

SEND FOR — Booklet entitled "Helpful Data about the Full Line of Harshaw Driers".
32 page book listing Industrial Chemicals.
72 page price list of Laboratory Chemicals.

HARSHAW

THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

Oil, almond, bitter, artl. (see Benzaldehyde).
bitter, F.P.A.....lb. No stocks
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb. 140.00-160.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. No stocks
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 9.65
natural, Italian, coppers...lb. 25.00 Nom.
Brazilian, cns.....lb. 10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 Nom.
rectified, cns.....lb. 3.00 Nom.
Bois de Rose, Brazil, cns....lb. 4.75 Nom.
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 2.00 - 2.50
Calamus, cns.....lb. 22.50 -25.00
Camphor, sassafrassy, cns..lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb. 11.75 -12.00
rectified, cns.....lb. 13.25 -14.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb. 22.00 -24.00
Cardamom, bots.....lb. 19.00 -21.00
Cassia, USP, cns.....lb. 12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l.....lb. .16 - —
cold pressed, USP, bbls.,c.l.lb. .14 - —
cns.....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l.....lb. .14½- —
tanks.....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l.....lb. .1830- —
tanks.....lb. .1750- —

Oil, castor, dehyd., unbodied, dms., c.l..lb. .1690- —
tanks.....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l.....lb. .14¼- —
dms., returnable, c.l.....lb. .13½- —
l.c.l.....lb. .14¼- —
tanks.....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .13¼- —
l.c.l.....lb. .14¼- —
Cedarleaf,[1] cns., dms.....lb. 2.65 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb. 19.50 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood, (see Oil, tung).
Cinnamon bark oil, bots.....lb. 36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .95 - 1.00
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.75 - 1.80
Coconut,[1,5] Manila, crude, bulk, c.l.f., N. Y..lb. .0835- —
ref. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms..gal. .88 - —
tankcar.....gal. .83 - .85
Codliver,[5] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb. 23.50 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16¼
tanks.....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .06¼- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07¾- —
raw, 50%, tankcar, dlvd. E., lb. .03¾- —
salad, l.c.l., ret. dms.....lb. .16¼- —

Oil, creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb. 12.00 - —
Degras (see D).
Dillseed, bots.....lb. 10.00 Nom.
weed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.20 Nom.
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units. .001 - —
200,000 or more A units..... per million units. .30 - —
Fuel (see Petroleum, fuel oil),
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns....lb. 13.00 -15.75
Bourbon, cns.....lb. 13.50 -14.00
Russian, cns.....lb. 15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb. 20.00 -22.50
Hemlock, cns.....lb. 2.65 - 3.34
Juniper berry, cns.....lb. 15.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.00 - 1.30
Lard,[5] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
fine, bbls.....lb. .15½- —
Laurel, bots.....lb. No prices
Lavender flower, French, cns., lb. 8.50 -16.00
Russian, cns.....lb. 11.00 -11.50
garden, cns.....lb. .55 - .75

Oil, lavender, spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lavandin, cns., 25 lbs.....lb. 3.00 - —
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - —
Terpeneless.....lb. 25.00 -50.00
Lemongrass, cns., dms.....lb. 1.50 - 1.60
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns.....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb. 11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
l.c.l.....lb. .1550- .1610
tankcar.....lb. .1470- —
tankwagon.....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacem't, dms, ret. tankcar.....lb. .1310- .1510
.1270- .1470
Lubricating, at refinery, ex-tax, California, neutrals, pale, 200-800 vis., 2¾-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour, tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 pocr, tanks..gal. .24 - .30
cylinder oils, 600-680 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .33
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers.....lb. No stocks
Menhaden,[1,5] crude, tanks, Balto..lb. .089 - —
light-pressed, ret. dms....lb. .1260- —
tanks.....lb. .1180- —
ref'd, alkali, ret. dms....lb. .1360- —
kettle-boiled, ret. dms....lb. .1460- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot, 15°, c.l., bbls....gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls.....lb. .18¼ Nom.
Neroli, bots.....lb. 220.00 -275.00
Haitian, dms.....lb. 240.00 - —
Nutmeg, dist., cns., dms....lb. 5.00 - 5.25
Oiticica,[1] liquid, dms.....lb. .20¾- .20½
tanks.....lb. No stocks
Oleo,[6] 1, bbls.....lb. .13¾ Nom.
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks.
edible,[1] Calif., ⅛%-3% f.f.a., dms..gal. 4.30 - 4.80
imported, dms.....gal. No stocks.
foots, dms.....lb. No stocks.
sulphonated, 50% (40% fat), dms, c.l..lb. No prices.
l.c.l.....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
l.c.l.....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l.....lb. No prices.
Orange, sweet, dist., cs....lb. 1.00 - —
expressed, Brazilian, cns..lb. 1.25 - 1.30
Calif., cns.....lb. 1.45 - 1.75
Florida, cns., dms.....lb. 1.10 - 1.20
Messina, USP, coppers.lb. No stocks.
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots....lb. 97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms.....lb. .0665-
Palmarosa, cns.....lb. 5.50 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls, extra, Ind.refy..gal. .12 - —
100-100 vis., 0/10 pour, same basis..gal. .06½- —
10/25 pour, same basis.gal. .06¼- —
350° flash, 100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb. 20.00 Nom.
Peanut,[1,5] crude, tanks, mill. lb. .13 - —
bichd., deod., tankcar.....lb. .1501- —
hydrog., tanks.....lb. .1573- .1573
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import. cns.....lb. No prices
Peppermint, natural, dms...lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - —
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns., dms. lb. 1.60 - 1.70
Pimento, berry, ams.....lb. 6.90 - 7.00
Leaf, cns.....lb. 4.50 - 4.75
Pine,[1,6] ret., dms., c.l., dlvd. E. gal. .63 - .63½
l.c.l., ret., dms., dlvd. E. gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb 3.25 - 3.50
Putty,[3] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts.....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] denat., bulk, c.l.f. N. Y..lb. .1150- —
Red,[5] dist. dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 - —
double dist., ret. dms.....lb. .15¼- .16¼
Saponified, same prices.
Rose, natural, coppers.....oz. 30.00 -40.00
Rosemary, Spanish, cns., dms., lb. 1.70 - 2.10
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.60 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0880- —
light-pressed, ret. dms....lb. .128 - .13
tanks.....lb. .1225- —
ref'd alkali, ret. dms.....lb. .138 - .14
kettle-boiled, ret. dms.....lb. .1480- .1500
Sassafras, artif., cns.....lb. 1.05 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,5] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —

CYCLAMAL

The Accepted Basis For Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR • • • • FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION • • • CYCLAMAL IS OF 100% PURITY

Manufactured in the U. S. A.

VERATRALDEHYDE

For That New Note You Have Been Looking For

A lasting sweet note of great value in Perfume Compounds of many types. Veratraldehyde is particularly interesting as a base for Opoponax, Heliotrope and Violet Odors.

INDOL

U. S. A. MANUFACTURED AND READILY AVAILABLE

Its great power makes it extremely economical to use, not only in the manufacture of Jasmin Odors but in many other Floral Compositions as well.

For the sake of economy, dependability and the fine results to be obtained with Indol, send for a sample and suggestions as to its use.

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn 17, N. Y.

8 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, snake root, Canada, cns...lb. No stocks
Soybean,[1,2] crude, tanks, Decatur..lb. .1175- —
deod., Winter, tankcar.....lb. .1393- —
ret. dms.....lb. .1500- .1540
clarif., dms.....lb. .1296- .1336
tanks .....lb. .1256- —
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dvld. E..lb. .06½- —
refd., varnish, dms.....lb. .1386- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm,[4] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 2.84
Sunflower semi-ref.,[2] tanks..lb. .1430- —
refined, tanks.....lb. .1468- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[2] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .50½- —
tar acid (see T).
tyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns.....lb. 2.65 - 4.00
Tung,[1,2] dms.....lb. .39 - —
tanks .....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Bourbon, bots.....lb.40.00 -45.00
Whale,[2] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-60 vis., dms., c.l..gal. .38 - —
l.c.l. .....gal. .42 - .45
65/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l..gal. .39 - —
l.c.l. .....gal. .45 - .48
95/105 vis., dms., c.l...gal. .44½- —
l.c.l. .....gal. .50½- .53½
125/135 vis., dms., c.l...gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 bis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63½
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .75
San Francisco, 55, 70 and 85 vis., ret. iron dms., 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54½
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
185 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62½- .65½
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns. lb. 6.50 - 6.50
South, cns. .....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. No prices.
Wormwood, cns.....lb. 5.00 Nom.
Ylang-ylang, Bourbon, bots..lb.40.00 -45.00
Oleostearin,[4] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
Olivine, lumps, same basis...ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb.13.00 - —
25-lb. lots .....lb.13.25 - —
smaller lots .....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroaniline toner,[1]..lb. 1.05 - —
Lake, Persian,[1] bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash., lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
other points .....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc. .....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points.....lb. .12½- —
Molybdate,[1,2] bbls.....lb. .41 - —
Orthonitroaniline toner,[1] kgs., works..lb. .80 - —
bbls. .....lb. .80 - 1.05
Orange peel, bitter, Haitian, bgs., lb. .11 - .11½
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs....lb. .09½- .10
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .80 - .85
powd., bbls., bxs.....lb. .85 - .90
Portuguese, bls. .....lb. .45 - .46
Verona, bls. .....lb. 1.25 - 1.30
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroaniline, dms. .....lb. .60 - .70
Orthochlorophenol, dms.....lb. .82 - —
Orthocresol,[2,3] 30.4°C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0°C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroaniline, dms. .....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .16
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls....lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots .....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.25 - 2.60
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.25
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[2] Chilean, good, bgs..lb. .26 - .27
Portuguese, choice, bgs.....lb. .35½- .39
extra fancy, bgs.....lb. .37¾- .38¼
good, bgs.....lb. .34 - .35
Spanish, fancy, bgs.....lb. .43 - .44
good, bgs.....lb. .36 - .37
fair, bgs.....lb. .32 - .33
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[2] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0620- —
122-124 ASTM, same basis, lb. .0520- —
125-127 ASTM, same basis, lb. .0560- —
127-129 ASTM, same basis, lb. .0585- —
128-130 ASTM, same basis, lb. .0585- —
130-132 ASTM, same basis, lb. .0615- —
132-134 ASTM, same basis, lb. .0640- —
Paraffin, fully ref'd., 135-137 ASTM, same basis..lb. .0715- —
140-142 ASTM, same basis, lb. .0610- —
146-148 ASTM, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,3] dms., 1,000 lbs. or more, works...lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech.,[2] 96%, 55 and 110-gal.dms., l.c.l., works.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroaniln, kgs., works...lb. .43 - .46
Paranitrochlorobenzene, kgs., works..lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs..lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld..lb. .20 - .25
l.c.l., same basis.....lb. .21 - .26
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .40
Pectin, bbls.....lb. .85 - —
Penicillin,[6] hospitals, institutions, ampules per 100,000 units. 3.20 - 4.50
for gov. purchases, ampules, per 100,000 units. 1.90 - —
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[2] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l. .....gal. .20 - —
10 gal.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .0635 Bid
50 to 100 bgs.....lb. .0705 Bid
24 bgs.....lb. .0723- .0740
red, chillies, Carolina, longs, bgs..lb. .20 Nom.
sports, bgs.....lb. .45 - .46
Congo, bgs.....lb. .25 - .26
Louisiana, sports, bgs....lb. .45 - .46
longs, old crop, bgs....lb. .27½- .28
Mombassa, bgs.....lb. .20½- .21
Niger, fair, bgs.....lb. .18½- .19
Sierra Leone, bgs.....lb. .22½- .23
Unganda, washed, bgs...lb. .21 - .21½
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .60 - .70
import, bls.....lb. .90 Nom.
Perchloroethylene,[2] dms., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0832- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0832- .0900
l.c.l., same basis.....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont (W), Nev., Ore., Utah, Wash.

Flavor
Freshness
Uniformity

Constant attention to these important qualities has made EXCHANGE OIL OF LEMON first choice of American users.

The excellence that has always been associated with EXCHANGE OIL OF LEMON is checked by our expert chemists before every shipment.

Made by the largest producer in the Lemon Oil business today—always alert to the needs of the trade—the EXCHANGE group continues to supply its customers with the world's finest Lemon Oil.

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OIL OF
LEMON
U. S. P.

Sold to the American Market exclusively by

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76 Ninth Avenue, New York, N. Y.

DODGE & OLCOTT COMPANY
180 Varick Street, New York, N. Y.

Distributors for: CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant: Exchange Lemon Products Co., Corona, California

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Peru balsam, dms.	lb.	1.15	- 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021	- —
golden Topaz, bbls., c.l.	lb.	.032	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
Petroleum, USP, amber, dms., $4 dep. per dm., c.l.	lb.	.03½	- —
l.c.l., same terms	lb.	.04¼	- —
extra amber, fib. dms., c.l.	lb.	.03½	- —
l.c.l.	lb.	.04½	- —
cream, c.l., fib. dms.	lb.	.04¾	- —
l.c.l.	lb.	.06¼	- —
yellow, soft, fib. dms., c.l.	lb.	.03¼	- —
l.c.l.	lb.	.04¼	- —
white, lily, fib. dms., c.l.	lb.	.05½	- —
l.c.l.	lb.	.07	- —
snow, c.l., fib. dms.	lb.	.06¾	- —
l.c.l.	lb.	.07¾	- —
soft, c.l., fib. dms.	lb.	.05¼	- —
l.c.l.	lb.	.06¼	- —
Petroleum, crude, bulk, at wells,			
California, heavy grades	bbl.	.93	- 1.01
Illinois	bbl.	1.37	- —
Kentucky, Union County	bbl.	1.32	- 1.37
Louisiana-Arkansas	bbl.	.86	- 1.20
Oklahoma-Kansas	bbl.	.85	- 1.25
Pennsylvania	bbl.	1.31	- 3.00
Texas, Gulf Coast	bbl.	1.06	- 1.36
North, North-Central	bbl.	1.01	- 1.25
West	bbl.	.70	- 1.13
Panhandle	bbl.	1.10	- 1.22
Savannah, Ga.	bbl.	1.60	- 1.77
Wyoming	bbl.	1.12	- —
Ether, laboratory, grade, 30-60° C., dms., c.l., Group 3	gal.	.18	- —
l.c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —
58-60° C., dms., c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —
40-75° C., dms., c.l.	gal.	.16	- —
l.c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —

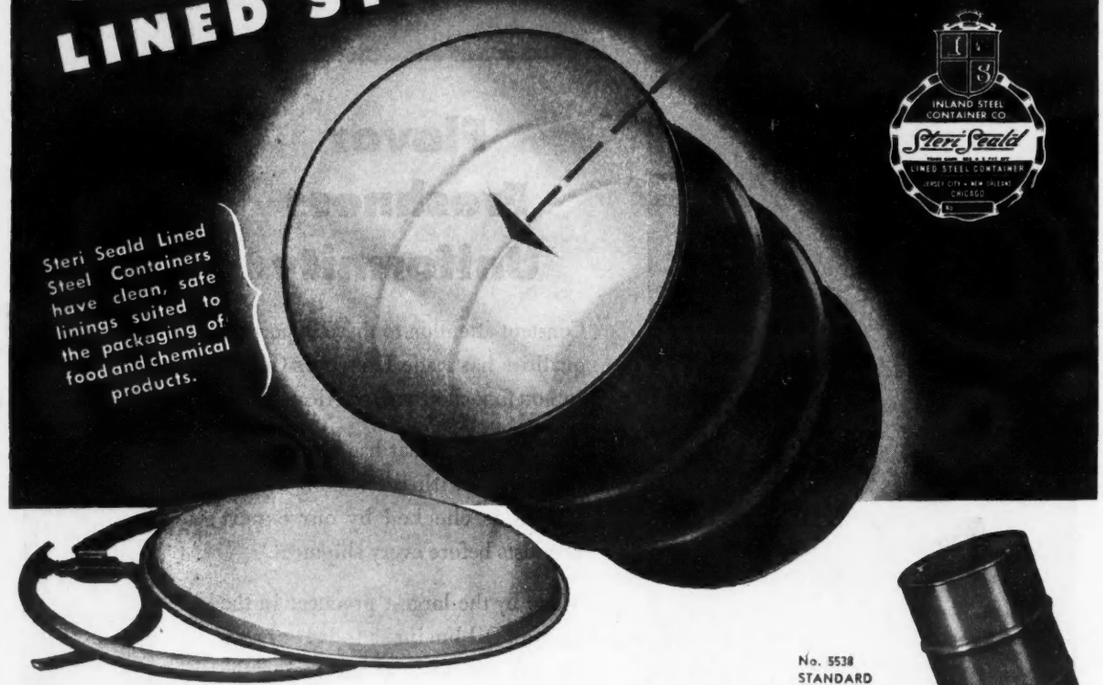
Petroleum, fuel oil, furnace, tanks, at refinery:—			
Arkansas, No. 1	gal.	.04	- —
Nos. 2 and 3	gal.	.03⅛	- —
California, heavy	bbl.	1.10	- —
light	bbl.	1.20	- —
diesel	gal.	.04	- —
stove dist.	gal.	.05	- —
Group 3, No. 3	gal.	.08½	- —
Group 3, No. 5	bbl.	.85	- —
No. 6	bbl.	.80	- .85
Kansas, No. 6	bbl.	.85	- .90
Oklahoma, No. 2	gal.	.03⅝	- —
No. 6	bbl.	.90	- —
14-16	bbl.	.97	- —
Pennsylvania, No. 1	gal.	.07	- .07⅛
No. 2	gal.	.07	- .0805
No. 3	gal.	.06⅞	- .07⅛
36-40 gravity	gal.	.07	- .07⅛
bunker C, Baltimore, Md.	bbl.	1.65	- 1.77
Boston, Mass.	bbl.	1.65	- 1.77
Charleston, Mass.	bbl.	1.60	- —
Jacksonville, Fla.	bbl.	1.60	- —
New York, N. Y.	bbl.	1.65	- 2.07
Norfolk, Va.	bbl.	1.65	- 1.77
Philadelphia, Pa.	bbl.	1.65	- —
Portland, Me.	bbl.	1.80	- —
Providence, R. I.	bbl.	1.65	- —
Savannah, Ga.	bbl.	1.65	- 1.77
Wilmington, N. C.	bbl.	1.65	- —
Lacquer diluent, at refinery:— California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles,	gal.	.11	- —
Fort Wells, Wash.	gal.	.12	- —
San Francisco	gal.	.11½	- —
Willbridge, Ore.	gal.	.12	- —
East Coast, N. J., N. Y., tanks	gal.	.11½	- —
	gal.	.07⅞	- —
Group 2, benzol type, tanks, toluol type, tanks	gal.	.07¾	- .07¼

Petroleum, mineral spirits, at refinery, California (f.o.b. San Francisco), 163 - 252 b.r., tanks	gal.	.10½	- —
198-200 b.r., tanks	gal.	.10¼	- —
246-397 b.r., tanks	gal.	.10¼	- —
312-408 b.r., tanks	gal.	.09	- —
362-458 b.r., tanks	gal.	.09	- —
East Coast, N. J., N. Y.	gal.	.10	- —
Group 3, tanks	gal.	.06¼	- —
tankwagon, Baltimore	gal.	.12	- .13
Boston	gal.	.12	- —
Bridgeport, Conn.	gal.	.1630	- —
Buffalo	gal.	.1240	- —
Camden, N. J.	gal.	.11	- —
Chicago	gal.	.18½	- —
Detroit	gal.	.1580	- —
Hartford	gal.	.1630	- —
Kansas City, Mo.	gal.	.1480	- —
Lancaster, Pa.	gal.	.12	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark (200 gal.)	gal.	.11	- —
New York (200 gal.)	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.129	- —
Providence	gal.	.13	- —
Rochester	gal.	.1320	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —
Washington, D. C.	gal.	.13	- —
Wilmington, Del.	gal.	.13	- —
Naphtha, cleaners, at refinery:— California (f.o.b. San Francisco), tanks	gal.	.12	- —
East Coast, N. J., N. Y., tanks	gal.	.11	- —
Group 3, tanks	gal.	.07¼	- —
tankwagons, Newark	gal.	.12	- —
Bridgeport	gal.	.1730	- —
Chicago	gal.	.1350	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —

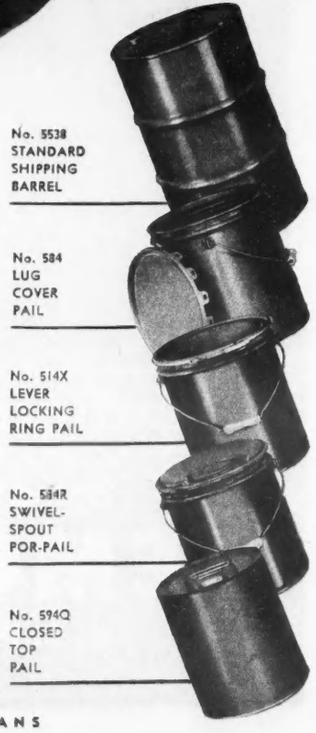
Petroleum, naphtha, cleaners, tankwagon, New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
St. Louis	gal.	.1470	- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½	- —
No. 2, over 90% arom., same basis	gal.	.21½	- —
No. 3, same basis	gal.	.23½	- —
No. 8, tanks, same basis,	gal.	.228	- —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld.	gal.	.223	- —
No. 40, tanks, Wilmington, Cal.	gal.	.13½	- —
V.M.&P., at refinery:— California, 46.5, 254 l.b.p., 880 e.p., tanks, f.o.b. El Segundo	gal.	.11	- —
Richmond	gal.	.11¼	- —
Willbridge, Ore., Pt. 54-77, 310 l.b.p., 310 e.p., tanks, divd. Los Angeles,	gal.	.10	- —
San Francisco	gal.	.10½	- —
Portland, Seattle	gal.	.11	- —
Group 3, tanks	gal.	.07¼	- —
Gulf Coast (divd. New Orleans), tanks	gal.	.06½	- —
tankwagon, Boston	gal.	.13	- —
Chicago	gal.	.1380	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1540	- —
Minneapolis	gal.	.1320	- —
Newark (200 gal)	gal.	.125	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1470	- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)	gal.	.25½	- —
East Coast, N. J., N. Y., tanks	gal.	.11	- —
Group 3, tanks	gal.	.07¼	- .07½
Stoddard (CS 8-33), at refinery:— California (f.o.b. San Francisco), tanks	gal.	.11	- —
East Coast, N. J., N. Y., tanks	gal.	.10	- —
Group 3, tanks	gal.	.06¾	- —
Pennsylvania, western, tanks	gal.	.07¼	- .07½
tankwagon, Baltimore	gal.	.13	- —
Boston	gal.	.12	- —
Chicago	gal.	.13½	- —
Detroit	gal.	.1580	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark	gal.	.11	- —
New York	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —
Xylol solvent. See Xylol petroleum solvent.			
Phenobarbital, 5-lb. cns.	lb.	3.60	- 3.70
dms., 100 lbs.	lb.	3.50	- —
Phenol,[2,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.,	lb.	.10	- —
l.c.l., same basis	lb.	.10¾	- —
tanks, same basis	lb.	.09	- —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾	- .10¼
l.c.l., same basis	lb.	.10¼	- .10¾
tanks, same basis	lb.	.09¾	- .09¾
USP, dms., c.l., works, frt. equald.	lb.	.10½	- —
l.c.l., same basis	lb.	.11¼	- —
tanks, same basis	lb.	.09¼	- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	- —
smaller lots	lb.	.97	- .98
yellow, fib. dms., 2,000 lbs.	lb.	.80	- —
smaller lots	lb.	.83	- .97
Phenothiazin, fib. dms., 2,000-lb. shipt.	lb.	.49	- —
smaller lots, same basis	lb.	.54	- —
Phenylacetaldehyde, 50% solut., bots.	lb.	2.45	- 3.00
100% solut., bots.	lb.	4.40	- 5.00
Phenylethyl acetate, cns.	lb.	2.45	- 3.00
Phenylethylphenyl acetate, bots.,	lb.	5.50	- 7.00
Phenylhydrazin, base, CP, bots.	lb.	4.55	- —
Hydrochloride, CP, bots., works,	lb.	7.10	- —
commercial, kgs., works	lb.	1.75	- —
Phloroglucinol, CP, fib. dms.	lb.	13.75	-14.75
tech., fib. dms.	lb.	12.00	-12.50
Phosgene, ton lots, works	lb.	.19	- —
Phosphate rock,[1,6] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.	long ton.	2.20	- —
70-68% b.p.l., M.P.R. 240 provisions, same basis	long ton.	2.60	- —
72%-70% b.p.l. M.P.R. 240 provisions, same basis	long ton.	3.20	- —
75%-74% b.p.l., M.P.R. 240 provisions, same basis	long ton.	4.20	- —
77%-76% b.p.l., M.P.R. 240 provisions, same basis	long ton.	5.20	- —
entirely pebble 50c. per ton higher than above prices.			
30%, P_2O_5 minimum,	short ton.	2.90	- —
31%, P_2O_5 minimum	short ton.	3.10	- —
70%, basis 32%, P_2O_5 minimum	short ton.	3.45	- —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis,	long ton.	5.00	- —
72%-70% b.p.l., 5½% l. & a., M.P.R. 240 provisions, same basis	long ton.	5.50	- —
refinery ground, same basis,	long ton.	4.65	- —
30%, P_2O_5, same basis	short ton.	4.85	- —
31%, P_2O_5, same basis	short ton.	4.95	- —
32%, P_2O_5, same basis	short ton.	5.20	- —
33%, P_2O_5, same basis	short ton.	5.70	- —
Phosphate, defluorinated (see under D).			
Phosphorus,[6] red amorphous, cs.,	lb.	.40	- .44
tins, export	lb.	.55	- —
Yellow, dms.	lb.	.25	- —
cs.	lb.	.28	- .35
Oxychloride,[6] cyls.	lb.	.15	- .18
Pentoxide,[6] dms., c.l., wks.	lb.	.11	- .12
l.c.l., works	lb.	.13	- .14
Sesquisulphide,[6] cs.	lb.	.38	- .42
Trichloride,[6] cyls.	lb.	.15	- .16
Phthalamide, bbls., works	lb.	.35	- .40
kgs., works	lb.	.45	- .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13	- —
l.c.l., same basis	lb.	.14	- —
Pichi leaves, bgs.	lb.	.08	- .09½
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	8.00	- —

Steri Seald

LINED STEEL CONTAINERS



Steri Seald Lined Steel Containers have clean, safe linings suited to the packaging of food and chemical products.


No. 5538 STANDARD SHIPPING BARREL
No. 584 LUG COVER PAIL
No. 514X LEVER LOCKING RING PAIL
No. 514R SWIVEL-SPOUT POR-PAIL
No. 594Q CLOSED TOP PAIL

The Steri Seald container is an exclusive Inland Steel Container product. It represents the highest achievement in containers designed for product protection by providing a clean, bacteria-free interior in addition to the strength and leakproof qualities found only in steel containers. Years of research and production engineering enable us to present this type of container to packers of food and chemical products at an economical cost. Steri Seald linings can be furnished in most of the standard types of drums and pails.

INLAND STEEL CONTAINER CO.

Container Specialists

6532 S. MENARD AVENUE, CHICAGO 38, ILLINOIS

PLANTS AT: CHICAGO • JERSEY CITY • NEW ORLEANS

Pilocarpine hydrochloride, USP, bots., vls..oz. 3.90 - 5.36
Nitrate, bots., vls.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .22 - .22½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. 1.85 - 1.90
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works....lb. .04 - .06
Hardwood, paper bgs., works.lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works.....lb. .04 - .06
Pine, dms.....100 lbs. 5.25 - —
stands, 200 lbs....stand. 6.00 - —
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .14 - .15
Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs..lb. .80 - .85
Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33
Arsenite,[3] USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[3] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.
Bromide, USP, gran., 500-lb. bbls., dms..lb. .27 - .31
100-lb. kgs.....lb. .23 - .32
Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 88-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms.....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45%, basis, dms.....lb. .08½- .08¾
tanks .....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06½- —
l.c.l. .....lb. .06½- .06¾
Chromate,[3] bgs.....lb. .24 - .26
Chlorate,[3] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .35¾
powd., 3c. per lb. higher.
Cyanide,[3] dms., works.....lb. [5] - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.46
dms.....lb. 1.35 - 1.38
Manure salt, dom.,[3] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[3] 60-62-63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[3] offered from consignments afloat, subject to safe arrivals..unit-ton. .53¼- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .25 - .31
Perchlorate,[3] kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls., dms....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l .....100 lbs.15.25 - —
solution 40° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
20° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, N.F., gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[3] basis 90-95%, K_2SO_4, min. 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Berries, bgs.....lb. .23 - .26
Prickly ash bark, bls.....lb. .40 - .42
Prince's pine herb, bls.....lb. .55 - .60
Procaine hydrochloride, cns., 25 lbs..lb. 8.00 - —
smaller lots.....lb. 8.25 - 8.75
Propane,[2] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04½
Chi., ton lots.....lb. .04½- —
Pumice in bbls., is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,3] concentrate, dewaxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[3] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyroctechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 5, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., works, lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .09 - .10
Quebracho extract,[3] solid, 62%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance, $3.75 per ton..lb. .04¾- .05¼
clarified, 64%, bgs., c.l., same basis..lb. .05¾- .05¾
dissolved, 35% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- .0450
ground, bgs., c.l.....lb. .08 - .09
l.c.l., bgs.....cwt. .0625- .0950
Queen of the meadow root, bgs. lb .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1], flasks (76 lbs. net)..flask.105.00 -110.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[3] NF V, cryst., cns..oz. 1.06 + .13½[4] powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

[4] Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[3] NF, cns., 100 ozs...oz. .84 + .13½[4]
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs..... 1.07 + .13½
Bisulphite, USP, cns., 100 ozs..oz. .89 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Salicylate, NF, cns., 100 ozs., oz. .79 + .13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .83 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Valerate, NF IV, 100 ozs.....oz. .99 + .13½

[3] Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Surcharge: See note under Quinine.

Quinoline, dms., c.l., works...lb. .24½- .50
Quinine-urea hydrochloride,[3] USP,

Synthetic Quinine — NEW MEDICAL TRIUMPH

WHEN TWO young scientists recently succeeded in synthesizing quinine for the first time, they accomplished what other scientists had been trying to do for more than a hundred years.

To these two young men the world owes a great debt. For today virtually all sources of natural quinine are in the hands of the enemy, and this development offers new hope in the constant battle against malaria in many lands throughout the globe.

But to those scientists who strove long and tirelessly in the past goes much credit, too. For their efforts laid the groundwork... saved precious time and labor for these modern researchers...provided that priceless "Margin of Experience" upon which the final success was built.

• • •

In every field of science, commerce and industry, the "Margin of Experience" proves again and again a vital factor to success. Niagara offers it in the field of electrochemical products. For Niagara has pioneered constantly in the development, improvement and adaptation to new uses of Liquid Chlorine, Caustic Potash, Caustic Soda, Paradichlorobenzene and Carbonate of Potash. Rely on Niagara's "Margin of Experience" for greater advantage in the use of these products.

AN ESSENTIAL PART OF AMERICA'S GREAT CHEMICAL ENTERPRISE

Niagara ALKALI COMPANY
60 East 42nd Street, New York 17, N. Y.
CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE
CARBONATE OF POTASH • LIQUID CHLORINE

ADVENTURES IN THE "MARGIN OF EXPERIENCE"

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼-
Red, Indian, 80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls., c.l., l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .09
Lacquer, maroon, bbls., works, lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol - rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots.....lb. 2.02 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works, lb. .55 - —
lake, alizarin, kgs., works, lb. .35 - —
Red, Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.25 - 2.35
Red precipitate,[3] NF, powd., fib. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .85 - 2.50
powd., bbls.....lb. .95 - 2.60
Riboflavin, bots., 100 grams..kilo.280.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .45 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .09 - .09½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum:—
B, dms., c.l.....100 lbs. 5.46 - —
D, dms., c.l.....100 lbs. 5.53 - —
E, dms., c.l.....100 lbs. 6.06 - —
F, dms., c.l.....100 lbs. 6.16 - —
G, dms., c.l.....100 lbs. 6.20 - —
H, dms., c.l.....100 lbs. 6.22 - —
I, dms., c.l.....100 lbs. 6.22 - —
K, dms., c.l.....100 lbs. 6.26 - —
M, dms., c.l.....100 lbs. 6.28 - —
N., dms., c.l.....100 lbs. 6.44 - —
W.G., dms., c.l.....100 lbs. 6.69 - —
W.W., dms., c.l.....100 lbs. 6.96 - —
X, dms., c.l.....100 lbs. 6.96 - —
Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.98
Rotenone,[1,4] CP, bbls., works, lb.10.90 -
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .75 - .80

S

Sabadilla seed, powd., bbls....lb. .35 - .36
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.42.00 -43.00
Safrol, cns.....lb. 1.10 - 1.15
Sage,[1] Calif., French type, bls., f.o.b. Pacific Coast..lb. .82 - .85
leucophylla, July-Aug., bgs., Pacific Coast..lb. .45 - .48
Cyprus, good, bls.....lb. .19 - .19½
fair, bls.....lb. .16½- .17
Spanish, bls.....lb. .19 - .19½
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .93
powder, 10c. per lb. higher.
Salt rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l.....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons....100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 2.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .19½- .20
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .55
Savory, Spanish, bls.....lb. .30 - .31
Savory, dom., bls., f.o.b. Calif., lb. .95 - .97
Saw palmetto berries, bgs.....lb. .20 - .25
Scammony resin, lump, cns.. lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.00 - 1.05
Senna, Alex., half leaf, bls...lb. .22 - .28
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .12 - .14
Serpentaria root, bls.....lb. .85 - .90
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[1] bonedry, bbls., 1,500 lbs..lb. .42½- —
Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs...lb. .48½- —
Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh bgs., c.l., lll., works, ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.60 - —
l.c.l., same basis.....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis....ton.16.00 - —
Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41¼- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .308 - .368
Proteinate, bots., dms.....oz. .288 - .338
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, cns.....lb. .06 - .08
Blue, cns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .40 - .42

When Timing is of the Essence

Soon the great bombers will take off on another history-making raid. The briefing session has charted the mission in minute detail—each crew knows its exact task. Eyes on watch, an officer calls out, "In 15 seconds it will be 4:08 . . . 10 seconds . . . 5, 4, 3, 2, 1, check—4:08."

The success of a large-scale aerial attack depends on a multiplicity of supporting factors, including supplies, data on the target area, weather, flight courses, altitude and approach of the bombing run. And timing.

Similarly, the timing of production schedules is all-important in successful manufacturing operations. When raw materials meet specifications one source of costly delays is avoided. Columbia's reliability in this respect helps maintain production . . . an important reason why Columbia is the preferred supplier for so many manufacturers.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
GRANT BUILDING · PITTSBURGH 19, PA.

CHICAGO · BOSTON · ST. LOUIS · PITTSBURGH · NEW YORK · CINCINNATI
CLEVELAND · PHILADELPHIA · MINNEAPOLIS · CHARLOTTE

COLUMBIA SPOTLIGHT

HEXACHLORETHANE is one of the smoke-producing chemicals which our Chemical Warfare Service has used to such great advantage on every front. Screening our operations from observation has reduced enemy effectiveness and kept down our casualties. As indicated by the name, chlorine is one of the ingredients of hexachlorethane, and Columbia is one of the principal producers of chlorine required for this purpose.

ALLYMER—Columbia's recently announced thermosetting plastic—is truly a "contact-pressure" resin. In making laminated products, only enough pressure is used to keep plies in contact with the mold. The relative simplicity of the tooling necessary when Allymer is used and the large complicated sections which can be made greatly extend the application possibilities for laminated parts. Research reports and other data are available on request.

HOMEMAKERS, who have despaired of the ugly black marks left on floors by rubber-shod members of their families, can now eliminate this nuisance by insisting that "no-mark" soles and heels be obtained. Those two remarkable Columbia pigments, Calcene T and Silene EF, are being used with GR-S to make a highly satisfactory no-mark sole and heel stock. Primarily developed for the rubber industry, new uses for these pigments are being uncovered in numerous other fields. Write for information.

THOUGH THOUSANDS think of "bicarb" only for the relief it brings to certain stomach maladies, Sodium Bicarbonate serves in scores of other important uses in a variety of industries. To name but a few—in the baking and milling field, particularly as an ingredient of baking powders and self-rising flours . . . in the leather industry, as a neutralizer in tanning operations . . . in textile manufacturing, for the prevention of timber mold. Columbia manufactures three grades of Sodium Bicarbonate in various granulations to meet the specific needs of customers in every field.

COLUMBIA CHEMICALS include Soda Ash, Caustic Soda, Sodium Bicarbonate, Liquid Chlorine, Silene EF (Hydrated Calcium Silicate) Calcium Chloride, Soda Briquettes, Modified Sodas, Caustic Ash, Phosflake, Calcene T (Precipitated Calcium Carbonate) and Calcium Hypochlorite.

Soapbark, bls.....lb. .11¾- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .17 - .18

Soda acetate, anhyd., dms., dlvd.
lb. .08½- .10
l.c.l., dlvd....lb. .06½- .06
NF, bbls., dlvd.....lb. .09½- .10

Alginate, refined, water-soluble, bbls., works...lb. .79 - —
semi-refined, bbls., works...lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80

Aluminate,[6] for water treat., bgs., c.l., works...100 lbs. 7.50 - —
l.c.l., works....100 lbs. 8.40 - —
other uses, bgs., c.l., works.
100 lbs. 7.00 - —
l.c.l. ....100 lbs. 7.50 - 8.00

Antimoniate, bbls., dlvd.....lb. .15 - .15½

Arsenate,[6] dms., dealers, c.l., works...lb. .09½- —
l.c.l., same basis....lb. .10¾- .11¼

Arsenite,[6] gray, dms., dealers, c.l., works...lb. .08½- —
l.c.l., works....lb. .09 - .10

Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1....
100 lbs. 2.18 - —
2 ....100 lbs. 2.23 - —
3 ....100 lbs. 2.58 - —
4 ....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2 ....100 lbs. 2.50 - —
3 ....100 lbs. 2.75 - —
4 ....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.13 - —
l.c.l., dlvd. zone 1....
100 lbs. 2.13 - —
2 ....100 lbs. 2.28 - —
3 ....100 lbs. 2.53 - —
4 ....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1....
100 lbs. 2.45 - —
2 ....100 lbs. 2.60 - —
3 ....100 lbs. 2.85 - —
4 ....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1....
100 lbs. 2.13 - —
2 ....100 lbs. 2.28 - —
3 ....100 lbs. 2.53 - —
4 ....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., dlvd. zone 1....
100 lbs. 2.35 - —
2 ....100 lbs. 2.50 - —
3 ....100 lbs. 2.75 - —
4 ....100 lbs. 3.15 - —
bulk, c.l....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 96°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 96°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots....lb. .40 - .43

USP, dms., 2 tons or more, lb. .46 - —
smaller lots....lb. .47 - .52

Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. ....100 lbs. 2.05 - —
bgs., c.l., works....100 lbs. 1.55 - —
l.c.l. ....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. ....100 lbs. 2.60 - —
powd., bbls., c.l., works....
100 lbs. 1.85 - —
l.c.l. ....100 lbs. 2.51 - —
kgs., c.l., works....100 lbs. 2.19 - —
l.c.l. ....100 lbs. 2.76 - —

Bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.

Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis....lb. .12 - .14
kgs., c.l., same basis....lb. .12½- .14

Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works....100 lbs. 1.30 - —
35°, bbls., c.l., wks..100 lbs. 1.40 - —
l.c.l., works....100 lbs. 1.65 - —
44°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .27 - .30
fiber dms., works, 100 lbs. lb. .28 - .31

Cacodylate, 5-lb. bots., works. lb.17.00 - —

Carbonate (see Soda ash, soda monohydrated, soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., zone 1, dlvd.....
100 lbs. 3.55 - —
2, dlvd....100 lbs. 3.70 - 3.05
3, dlvd....100 lbs. 3.95 - 3.30
4, dlvd....100 lbs. 4.35 - 3.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works....
100 lbs. 1.95 - —
70%, buyers' tanks, works..
100 lbs. 1.97½- —
sellers' tanks, works....
100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd.....
100 lbs. 3.15 - —
2, dlvd....100 lbs. 3.30 - —
3, dlvd....100 lbs. 3.55 - —

Caustic soda zones are same as soda ash.

Chloride (see Salt).

Chlorate,[6] cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works....lb. .07 - .08½

Chromate,[2,6] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08¾- .09½
Soda chromate in bgs. is ½c. lower.

Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½

Soda cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 53-55% acidity, bbls., dlvd..lb. .09½- .10¼
anhyd., dms., dlvd.....lb. .12½- —

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Glutamate, monobasic, kgs..lb. 1.04 - 1.06

Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. ....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90

Hydrosulphite, dms., frt. alld. lb. .17 - .18

Hydroxide, USP, sticks, dms..lb. .24 - .26

Hypophosphite, NF, cns.....lb. .67 - .70

Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works....100 lbs. 2.75 - 2.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.

Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —

Mandelate, dms.....lb. 3.25 - 3.35
Metamilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.10
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —

Soda nitrate, crude, imp., 200-lb. bgs., same basis..ton.32.40 - —
bulk, same basis....ton.30.60 - —
refd., gran., bbls., 10 tons..
100 lbs. 3.60 - —
smaller lots....100 lbs. 3.75 - 4.00

Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .06¾- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., dlvd....100 lbs. 8.90 -11.90

Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd....100 lbs. 4.30 - 4.55

Oxalate, neut., bbls.....lb. .10 - .11

Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
lb. .19 - —

Pantothenate, dext., 100-gram bots..per gram. .10 - —

Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
l.c.l.. works....lb. .15¼- —

Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —

Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works.....
100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works..
100 lbs. 2.55 - 2.70
l.c.l., works....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works....100 lbs. 8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —

Soda tribasic, cryst., bgs., c.l., same basis..100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).

Soda phosphate in bbls. is 20c. higher.

Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10½
spot ....lb. .10¾- —
bbls., contract, works....lb. .10 - .10¼
spot ....lb. .11 - —

Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald.....
100 lbs. 5.25 - 5.10
l.c.l., same basis...100 lbs. 5.40 - 5.60
bbls., c.l., wks., frt. equald. 100 lbs. 5.45 - 5.30
l.c.l., same basis...100 lbs. 5.60 - 5.90

Ricinoleate, tech., bbls.....lb. .12 - —

Sal, bgs.....100 lbs. 1.35 - —
works ....100 lbs. 1.10 - —
bbls. ....100 lbs. 1.40 - —
works ....100 lbs. 1.20 - —

Salicylate, dms.....lb. .52 - .55

Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd....100 lbs. 2.85 - —
3, dlvd....100 lbs. 3.10 - —
4, dlvd....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd....100 lbs. 4.05 - 4.30

Silicate, 40% turbid, dms., c.l., works..100 lbs. .90 - —
l.c.l., works....100 lbs. 1.05 - 1.20
tanks, works....ton.18.00 - —
53°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works....100 lbs. 1.65 - 1.80
tanks, works....ton.25.00 - —

Silicofluoride,[6] bbls., c.l., works. lb. .06½- .07
l.c.l., same basis....lb. .08 - .12

Oil Needs Alkalies

Oil is versatile. It keeps war machines rolling, industries going, planes flying, furnaces heating... it helps in the making of paints, dry cleaners, medicine. Important in refining oil are Solvay Alkalies and related products. Proving again—in war, as in peace, alkalies are indispensable!

CAUSTIC SODA

SODA ASH

CAUSTIC POTASH

CHLORINE

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Soda stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .16
Sulphathiazole, m o n o hydrate, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)..lb. .19 - .22

Solvent naphtha,[4] dms., wks.gal. tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .32 - —
.27 - —
Minneapolis, Colo.....gal. .27 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha. to 2c. per gal..gal. .27 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works...lb. .19 - —
100-40,000 lbs., works...lb. .19½- .19½
less than 100 lbs., works. lb. .23 - —
Sorbitol,[6] com'l, dms., c.l., works. lb. .14¾- —
l.c.l., same basis.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.80 - 1.90
Spearmint leaves, bls.....lb. .45 - .47
Spikenard root, bls.....lb. .33 - .37
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bxs.. c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .15 - .16
Starch, corn, pearl, bgs.100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
Corn, powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0634- —
l.c.l. .....lb. .079 - —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stonecroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .22 - .23
Seed, bgs.....lb. .20 - .21

Strontium bromide, cns., dms...lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works...lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls.....lb. .37¼- —
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works..ton.52.00 - —
l.c.l., works.....ton.54.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -37.00
Strophanthus seed, Komba, bgs. lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Strychnine, NF, cryst., cns., 100 oz..oz. .70 - —
powd., cns., 100 ozs.....oz .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs. oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs. oz. .58 - —
powd., c.s., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms.....lb. 9.00 - —
Sulphaguanidin, 100-lb. dms...lb. 5.50 - —
Sulphanilamide, bots.....lb. 1.35 - —
fib dms.....lb. .90 - 1.00

Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sesquihydrate, prices same as sulphathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
Sulphur, precipitated, USP, bbls., kgs..lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. drms., c.l. works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, comml. cyls., works..lb. .07 - .08
multi-unit cars, works..lb. .04¾- .06
tanks, works.....lb. .04 - —
refrigeration, cyls, works, lb. .18 - .21
multi-unit cars, works..lb. .04½- .06
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.08 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ½c., per unit-ton higher.

triple 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .53 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

Sweet Basil, bls., f.o.b. Calif. lb. .97 - .98

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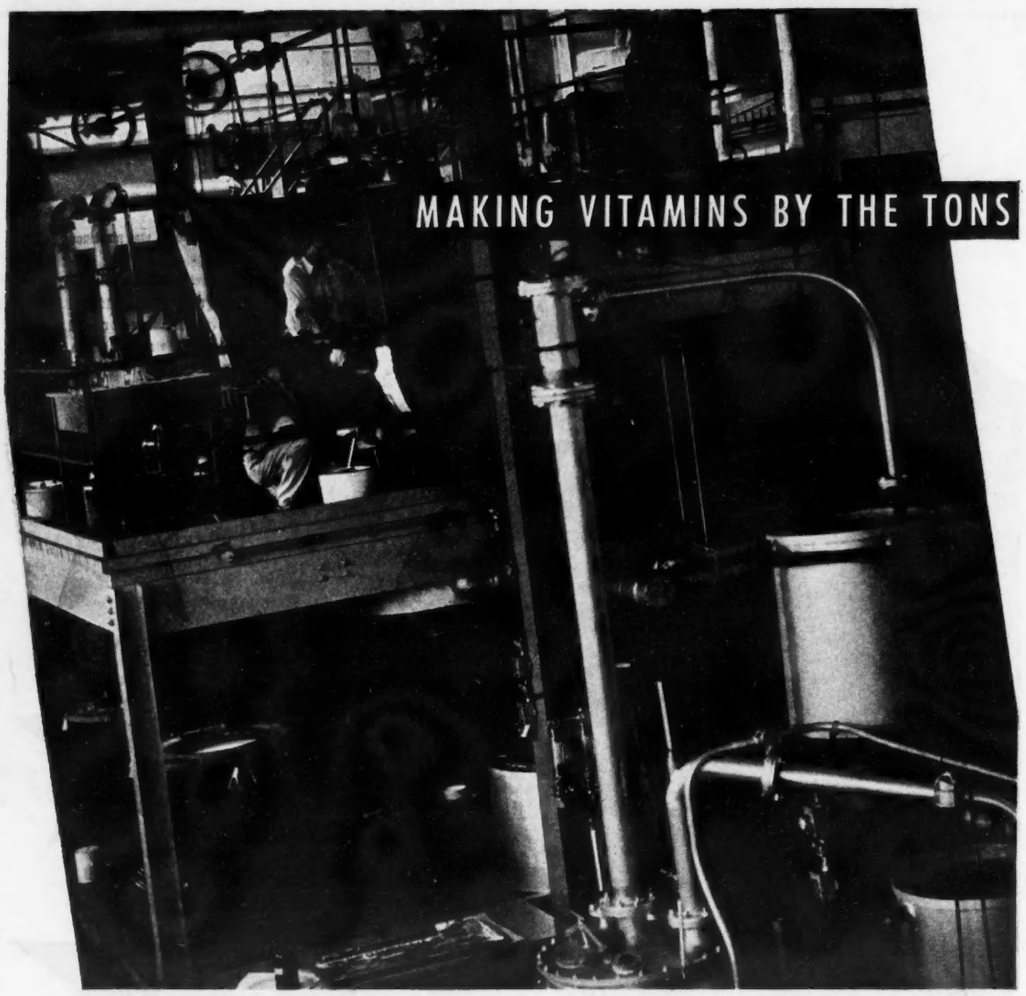
Talc, dom., aluminum-flake type, grd., bgs., c.l., works. ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., works.ton.17.50 -43.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 13.50
l.c.l., works.....ton.12.00 14.50
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05¾- —
50% (43% fat), dms., c.l...lb. .06¾- —
50% (48% fat), dms., c.l...lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs..lb. .06½- .07¼
Java, bgs.....lb. No stocks
Tar acid oil,[1,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l. works.....gal. .28½- .30¾
25%, dms., c.l., works.....gal. .30 - —
l.c.l., works.....lb. .32 - —
Pine, retort, dms., c.l., dlvd. East..gal. .32¾- —
l.c.l., works.....(gal. .29¾- —
tanks, dlvd. East.....gal. .27 - —
Tara, powd., dlvd. N. Y.....ton.120.00 - —
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms.....lb. .48¼- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms..lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .35 - .50
Terpinyl acetate, extra cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachlorethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[6] bots., dms., 100 grams..kilo.180.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —



EASIER VITAMIN ORDERING

ONE OF THE WORLD'S LARGEST MAKERS OF VITAMINS

AN IMPROVED SUPPLY PICTURE prevails on most of the vitamins of our manufacture.

FOR INSTANCE, RIBOFLAVIN is off allocation entirely.

ASCORBIC ACID—Vitamin C—Users of 30 kilos or less per month can now get immediate delivery at any time without allocation.

FOR LATEST COMPLETE INFORMATION and prices, keep in touch with our Vitamin Division. And *whenever* you order vitamins—B_1, B_2, B_6, C or E—specify 'Roche' and rest assured of getting the finest science can produce, in the most desirable forms, at the lowest prices consistent with uncompromising quality.

HOFFMANN-LA ROCHE, INC. VITAMIN DIVISION • NUTLEY 10, NEW JERSEY

Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast..lb. .80 - .82
Spanish, bbls.....lb. .18 - .18½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
Crystals,[6] bbls., bgs.....lb. No stocks
Metal,[1,6] Straits.....lb. .52 - —
Oxide,[6] bbls.....lb. .55 - —
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15¼ - —
smaller lots, dlvd.....lb. .15½ - .15¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½ - —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾ - —
smaller lots dlvd.....lb. .17 - .17¼
plain,[5] bgs., c.l., dlvd.....lb. .14½ - —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾ - —
smaller lots, dlvd.....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾ - —
l.c.l., dlvd.....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½ - —
l.c.l., dlvd.....lb. .06¼ - —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½ - —
l.c.l., dlvd.....lb. .06¾ - —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾ - —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls. ¼c. higher; Pac. cst., ¾c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, 55 gal., dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .85
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .26 - —
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnequa, Colo.gal. .28 - —
1° nitration, dms., return, works..gal. .34½ - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½ - —
West, Minnequa, Colo.gal. .29½ - —
Tonga, 50% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.90
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., oz. .52 -
Triacetin, dms., works.....lb. .28 - .30
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½ - —
tanks .....lb. .07½ - —
Trichloroethylene,[6] dms., c.l., works, Zone 1, frt. alld...lb. .09 - —
Zone 2, same basis.....lb. .09½ - —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene l.c.l. prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½ - .54½
dms., c.l., dlvd.....lb. .37½ - —
l.c.l., dlvd.....lb. .40¼ - —
tech., cns., works.....lb. .28½ - .45½
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .25½ - .31¼
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] dms., c.l., frt. alld. in E..lb. .19½ - —
l.c.l., same basis.....lb. .20½ - —
tanks, same basis.....lb. .18½ - —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½ - —
l.c.l., same basis.....lb. .19½ - —
tanks, same basis.....lb. .17½ - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[6] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works...ton.21.50 - —
double grd., bgs., c.l., works, ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,6] (see Derris root).
Tungsten metal, powd.,[6] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs...lb. .12 - .12½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .86½ - .87
sulphate-wood, dms., c.l.....gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium[6] oxide, black bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import. pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
Fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80- —
usual Atla. and Gulf ports, NH_3 ton.116.80- —
C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Uva ursi leaves, bls.....lb. .22 - .23

V

Valerian root, NF, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 Nom.
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V M P naphtha (see Petroleum, naphtha v.m.p.)

W

Wahoo, root bark, bls.....lb. .55 - .60
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account....ton.50.00 - —
So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account....per ton.50.00 -55.00
extract liquid, 35% tannin bbls., works..lb. .05 - .06
tanks .....lb. .0450- .05
solid, So. Afr., 62% tannin, ex dock..lb. .0535- .0560
E. Afr., 61% tannin, ex dock, lb. .05225- .05475
Wax, amorphous, 160°-165° m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14½ - —
smaller lots.....lb. .14½ - .15½
black, ctns., 30 tons, same basis..lb. .12¾ - —
smaller lots.....lb. .13 - .18¾
white, ctns., 30 tons, same basis..lb. .24¾ - —
smaller lots.....lb. .25 - .35¾
180°-185° m.p., amber, ctns., 30 tons, same basis..lb. .16¼ - —
smaller lots.....lb. .16½ - .17¾
black, ctns., 30 tons, same basis..lb. .14¾ - —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾ - —
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .58½ - .60¼
slabs, bgs., ton.....lb. .52½ -
Wax, bees, yellow, crude, African, bgs., ton..lb. .37½ - —
Cent. or So. Amer., sun-bleachable, bgs., ton..lb. .44¾ - —
unbleachable, bgs., ton, lb. .41½ - —
ref'd, USP, bricks, bgs., ton, lb. .53½ - —
disc., bgs., tons.....lb. .55½ - —
ctns., ton.....lb. .56½ - .58½
rounds or squares, bgs., ton..lb. .57½ - —
ctns., ton.....lb. .61 - .68
slabs, bgs., ton.....lb. .57 - —
Candelilla,[1] crude, bgs., ton..lb. .34½ - —
smaller lots.....lb. .35½ - .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton. .71¼ - —
smaller lots.....lb. .72¼ - .81¼
North Country No. 2, bgs., ton. .75¾ - —
smaller lots.....lb. .76¾ - .85¾
No. 3, bgs., ton.....lb. .73½ - —
smaller lots.....lb. .74½ - .83¼
refined, bgs., ton.....lb. .76¾ - .80
smaller lots.....lb. .77¾ - .90
yellow, No. 1, bgs., ton....lb. .83¼ - —
smaller lots.....lb. .84¼ - .93¼
No. 2, bgs., ton.....lb. .81¼ - —
smaller lots.....lb. .82¼ - .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½ - .14
jobbing lots.....lb. .14½ - .15
150°-160° m.p., bgs., 1 ton, lb. .15½ - .16
jobbing lots.....lb. .16¾ - .17
160°-170° m.p., bgs., 1 ton, lb. .16½ - .17
jobbing lots.....lb. .17½ - .18

LUMINESCENCE
Lights the Way to NEW Postwar Markets

This phosphorescent flashlight case is injection-molded cellulose acetate pigmented with a long afterglow phosphorescent pigment. Exposed for as little as 5 minutes to daylight or strong artificial light, this case will continue to glow in the dark with a lavender color that is visible to the dark-adapted eye for a period of 8 to 10 hours. Its daylight color is a creamy white. The lens cap shown here is a transparent, non-phosphorescent red.

LUMINESCENT PIGMENTS have proved their commercial value in a number of war applications — in paints, paper, plastics, printing inks and coated textiles. Many *new* postwar applications are indicated as a result of their success. The phosphorescent plastic flashlight case, shown above, is but one. Others include such practical commercial applications as:

Phosphorescent:
(Excited by daylight exposure)
Apparel accessories
Architectural trim
Automotive accessories
Cord pulls (lights and window shades)
Decorative floor, furniture and wall coverings
Displays and fixtures
Door knobs and kick plates
Electric switch plates, fixtures and equipment
Escutcheons and medallions
Fish lures
Games
Jewelry
"Juke" boxes
Light diffusers
Marking tapes
Product packages and labels
Slipper tips
Tools

Fluorescent:
(Excited by "black" light exposure)
Automotive and aviation dials and accessories
Charts and maps
Decorative coverings
Displays and advertising
Drapery
Light diffusers and color transmuters
Murals and decorative designs
Paper specialties
Theatrical effects

These
Bulletins May Suggest Many Ideas for Postwar Design Styling

Perhaps you are thinking of the possibilities of using luminescent pigments in connection with your postwar products. If so, we shall be glad to discuss your problem with you.

A limited number of copies still available. Write for your copy before the supply is exhausted.

New Jersey Zinc

THE NEW JERSEY ZINC CO., 160 Front Street, New York 7, N. Y.
Products Distributed by THE NEW JERSEY ZINC SALES COMPANY
NEW YORK • CHICAGO • BOSTON • CLEVELAND • SAN FRANCISCO

Wax, Japan, cs.	lb.	No stocks	
Montan, bgs.	lb.	No stocks	
Ouricury,[1] bgs., ton	lb.	.45½-	.51¾
smaller lots	lb.	.50¼-	.61¾
Ouricury,[1] bgs., ton	lb.	.49½-	.51¾
refined, bgs., ton	lb.	.62 -	—
smaller lots	lb.	.65 -	.72
powdered ouricury prices same as candelilla.			
Paraffin (see under P).			
Spermaceti, blocks, cs	lb.	.26 -	.27
cakes, cs	lb.	.27 -	.28
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.15 -	.16
White precipitate,[2] powd., dms., 50 lbs. or more	lb.	1.98 -	—
Whiting, chalk, wet-ground, bgs., c.l.	ton.	21.00 -	25.00
l.c.l.	ton.	25.00 -	29.00
wet-ground, bgs., c.l.	ton.	21.00 -	25.00
l.c.l.	ton.	20.00 -	24.00
gilders, bolted, bgs., c.l.	ton.	20.00 -	24.00
l.c.l.	ton.	21.00 -	25.00
extra-bolted, bgs., c.l.	ton.	22.00 -	26.00
l.c.l.	ton.	25.00 -	27.00
Paris white, bgs., c.l.,	ton.	24.00 -	28.00
l.c.l.	ton.	25.00 -	29.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works.	ton.	6.00 -	—
smaller lots, N.E., wks.	ton.	7.00 -	9.00
wet-grd., air-floated, 300 mesh, 90¾%, bgs., c.l.	ton.	9.35 -	10.10
200 mesh, bgs., c.l.	ton.	8.80 -	9.50
90%, bgs., c.l.	ton.	6.25 -	7.00
water-floated, extra gilders, bgs., c.l.	ton.	13.00 -	—
gilders, bgs., c.l.	ton.	12.45 -	—
putty grade, bgs., c.l.	ton.	12.00 -	—
Precipitated, bgs., c.l.	ton.	14.00 -	15.00
l.c.l.	ton.	18.00 -	20.00
Wild cherry bark, thick, bls.	lb.	.06 -	.07
thin, bls.	lb.	.18 -	.19
rossed, green, bls.	lb.	.26 -	.28
Wild indigo root, bls.	lb.	.18 -	.19
Witch-hazel extract, dist., NF, bbls.	gal.	.70 -	.75
Leaves, bls.	lb.	.10 -	.12
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y.	ton.	20.00 -	—
60 mesh, same basis	ton.	24.00 -	—
80 mesh, same basis	ton.	27.00 -	—
100 mesh, same basis	ton.	30.00 -	32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20 -	.26
Levant	lb.	4.50 -	4.75
Wormwood, bls.	lb.	.50 -	.55

X

Xanthorrhiza, bls.	lb.	.25 -	.30
Xylene (see Xylol).			
Xylol[3] (xylene), indus. dms. return., works	gal.	.32 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27 -	—
West, Minnequa, Col.	gal.	.27 -	—
10°, dms., return, works	gal.	.35 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30 -	—
5°, dms., return, works	gal.	.42 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37 -	—
8°, dms, return, works	gal.	.47 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42 -	—
Xylol petroleum solvent, ret. dms., Nc. N. J.	gal.	.26 -	—
Xylidin, mixed, dms.	lb.	.35 -	.38

Y

Yara yara, cryst., bots., cns.	lb.	1.75 -	2.20
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35 -	—
90 B units, dms.	lb.	.45 -	—
200 B units, dms.	lb.	.50 -	—
300 B units, dms.	lb.	.60 -	—
Yellow, barium chromate, C.P., bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.22 -	—
Barium chromate prices are differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.			
Benzidin, bbls., dlvd.	lb.	1.35 -	2.25
Cadmium, CP, import, bxs.	lb.	1.35 -	1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 -	—
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.08 -	.11
Hansa, bbls., same basis as chrome.	lb.	1.37 -	—
primrose, bbls., same basis.	lb.	1.75 -	—
Lithopone, bbls., ton lots, E. of Rockies.	lb.	.55 -	—
smaller lots same basis.	lb.	.65 -	—
Yellow, lithopone, sulphide, orange, cs., kgs., works.	lb.	1.10	Nom.
Mercury oxide, bbls., 1,000 lbs.	lb.	1.83 -	—
smaller lots.	lb.	1.85 -	—
Ocher, American, golden, bbls., works.	lb.	.04½-	.06¼
yellow, bbls., works.	lb.	.02 -	.02¾
French type, bbls., c.l.	lb.	.0245-	—
l.c.l.	lb.	.0365-	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa.	lb.	.04½-	—
l.c.l., same basis	lb.	.05 -	—
synth, bbls., c.l., works.	lb.	.07 -	—
l.c.l., works.	lb.	.071 -	—
Persian orange (see O).			
Zinc,[2] bbls., same basis as chrome.	lb.	.15 -	—
Navy spec. type, bbls., contracts.	lb.	.15 -	—
Yellow dock root, bls.	lb.	.38 -	.40
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.25 -	.27
Yohimbine hydrochloride, vis.	oz.	3.00 -	5.75

Z

Zein, bgs., 1,000 lbs., works.	lb.	.25 -	—
smaller lots, works.	lb.	.30 -	—
Zinc acetate, tech., bbls., dlvd.	lb.	.16 -	.17
USP, bbls., 250 lbs.	lb.	.26 -	.27
kgs., 100 lbs.	lb.	.29 -	—
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾-	.13½
l.c.l., same basis	lb.	.12¼-	.13¾
Borate, bgs., c.l.	lb.	.12 -	—
l.c.l.	lb.	.12½-	—
Carbonate, tech., rubber makers' grade, bbls., lb. works.	lb.	.09¾-	.10¾
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works, 100 lbs.		5.00 -	—
l.c.l., works, 100 lbs.		5.35 -	—
gran., dms., c.l., works, 100 lbs.		5.75 -	—
l.c.l., works, 100 lbs.		6.50 -	—
USP, dms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
solution, 50%, dms., c.l., works	lb.	.0315-	—
l.c.l., works.	lb.	.04¼-	.04½
tanks, works.	lb.	.0250-	—
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works.	lb.	.33 -	.37
Dust,[2] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works.	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Iodide, NF, bots.	lb.	4.54 -	—
jars	lb.	4.40 -	—
Laurate, bbls.	lb.	.32 -	.33
Metal,[1,2,3] (quotations in Protective Coatings market report).			
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 -	.19½
Oxide, pigment, dom., acicular,[2] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead free,[2] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07⅝-	—
leaded, 35% or more, bgs., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd.	lb.	.07¼-	—
French process, com'l, lead free,[2] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.,	lb.	.09 -	—
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd.	lb.	.09¼-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP,[2] 50-lb. cns., c.	lb.	.10½-	—
l.c.l.	lb.	.10¾-	—
Zinc oxide prices on the Pacific coast ½c. per lb. higher, c.l., dlvd. and l.c.l. ex whse. In bbls., all prices ½c. higher.			
Resinate, 8.7% Zn, 100-lb. dms.	lb.	.14½-	—
fused, pale, bbls.	lb.	.11 -	.12
precipitated, dms., dlvd.	lb.	.15 -	—
Silicofluoride, bbls.	lb.	.15 -	.18
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	—
ton lots, frt. equald.	lb.	.30 -	—
smaller lots, frt. equald.	lb.	.31 -	—
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 -	—
l.c.l.	100 lbs.	4.15 -	—
flake, bgs., c.l.	100 lbs.	3.80 -	—
l.c.l.	100 lbs.	4.55 -	—
powd., bgs., c.l.	100 lbs.	5.35 -	—
l.c.l.	100 lbs.	6.10 -	—
Zinc sulphate in bbls., 25c. higher.			
Sulphide,[1,2] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08½-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
barium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
fluorescent, pigment, works, frt. alld.	lb.	.90 -	1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06 -	—
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.			
Sulphocarbolate, NF, bbls., dms.,	lb.	.28 -	.31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¼-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 -	—
l.c.l., works.	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 -	2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd. E. of Rockies.	lb.	.06¼-	—
dlvd. Pac. cst.	lb.	.06⅜-	—
ex whse., Pac. cst.	lb.	.07 -	—

PERFORMANCE RECORD

ANOTHER ZIRCON REFRACTORY APPLICATION MAKES GOOD

A Zircon lining has successfully withstood temperatures, chemical reaction and mechanical abrasion for 14 months in this Ceramic Materials sintering furnace.

The lining is in perfect condition and should continue to withstand these conditions for many more months.

An experienced staff of field engineers, located in centralized parts of the country, is available to you for consultation on *your* Refractory problems.

TITANIUM
ALLOY MANUFACTURING COMPANY

TAM
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GENERAL OFFICES AND WORKS: NIAGARA FALLS, N. Y., U. S. A.
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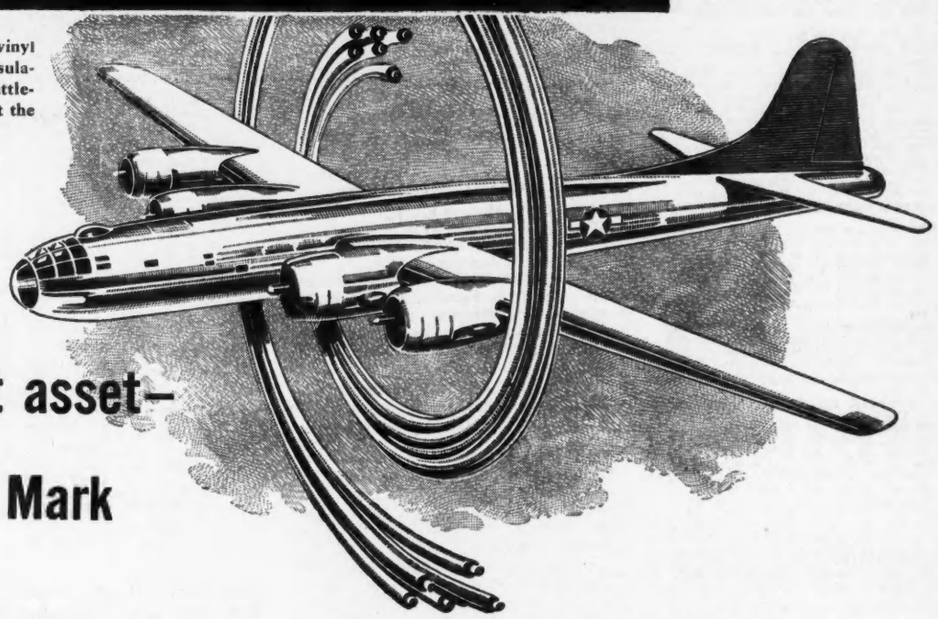
Al Calo Joins Calo Co.

Alfred R. Calo has joined the technical sales staff of the John H. Calo Company, manufacturers agent of New York and Chicago. Born in Brooklyn in 1908 Mr. Calo attended Brooklyn Polytechnic Institute, and in 1929 joined the Hilo Varnish Corporation. For seven years he worked in its research laboratory, followed by eight years as industrial technical sales representative in northern Pennsylvania and throughout the State of New York, outside of the metropolitan area.

Celanese* Chemicals

Celanese organic phosphates, combined with vinyl compounds, provide flame-resistant, flexible insulation and protection to cables on airplanes and battleships—and in industry they have more than met the most advanced demands upon such materials.



Industry's greatest asset—the Question Mark!

THE CONSTANTLY QUESTIONING attitude of Celanese research makes continued contributions to modern synthetic chemicals. In many cases, work on a single chemical compound has been of basic service to users as far apart as the producers of vinyl compounds for battleship cables and the refiners of oil for aviation use. The research in organic phosphates is a case in point.

Celanese pioneered the development of tricresyl phosphate, and from this work Lindol* was produced. Lindol's first job was as a plasticizer. But Celanese research didn't stop there. Constant work produced other plasticizers—other organic phosphates. As a result, Lindol* M.P., gave industry a plasticizer for lacquer films coming in contact with food products.

The next big step in this single research project uncovered the possibility of organic phosphates as lubricant additives. Lindol* E.P. came out of the Celanese laboratories to meet the need for high-film strength lubricants necessary for high compression internal combustion engines. This Celanese organic phosphate is playing a vital role in aviation motor oils today. It acts as a solvent for hydrocarbon resinous materials. It is non-oxidizing, non-flammable, noncorrosive, and chemically stable.

There have since followed other organic phosphate developments. Celluflex* produces a dry type of highly plasticized lacquer film thereby decreasing tackiness in the finished material. This particular compound increased the pigment-wetting characteristics over former organic phosphates. Then Cellulube* was developed, to supply a material of higher viscosity and greater miscibility with petroleum oils. Simultaneously, the specific gravity was lowered and the excellent solvent power for hydrocarbon resinous materials maintained.

Another aim of Celanese research has been to increase raw material sources for organic phosphates. By originality in processing, a new source was found in petroleum base materials. These materials give Celluflex and Cellulube their individual characteristics.

PLASTICIZERS

ORGANIC PHOSPHATES

LUBRICANT ADDITIVES

INTERMEDIATES

DYE-STUFFS

Full realization that synthetics can be tailored from the ground up to a need has brought about many of the most useful synthetic developments. That is why Celanese always welcomes inquiries in terms of properties and characteristics desired. Celanese Chemical Corporation, *a division of Celanese Corporation of America*, 180 Madison Avenue, New York 16, N.Y.

*Reg. U.S. Pat. Off.

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BANANA FLAKES—460 cs, Manufacturers Trust Co
PASSAS—170 cs, Manufacturers Trust Co
100 cs
BALATA—101 bls, Bank of Manhattan Co
585 bls, Wessel, Duval & Co
500 bls, T A Desmond & Co
250 bls, H A Astlett & Co
64 bls
BARBASCO ROOT—1,812 bls, United States Commercial Co
970 bls, National City Bank
BOLDO LEAVES—8 bls, Andes Fruit Produce Co
BRISTLES—7 cs
PIG—2 cs, Bank of London South America
2 cs, Gondrand Shipping Co
4 cs, Loewstein & Gardner
CAFFEINE, ANHYD—9 bbls, National City Bank
CANARY SEED—30 bgs, 3,300 lbs, Wm Rennie Seed, Ltd
CARDAMOM—18 cs, 2,340 lbs, Knickerbocker Mills Co
CASHEW KERNELS—70 cs, 3,500 lbs, Pandaleo Bros
70 cs, 3,500 lbs, Spencer Import Co
1,500 cs, 75,000 lbs, Kelling Nut Co
800 cs, 40,000 lbs, General Foods Corp
3,000 cs, 150,000 lbs, Bowes & Co
1,000 cs, 50,000 lbs, T M Duche & Sons
900 cs, 45,000 lbs, Biddle Purchasing Co
1,070 cs, 53,500 lbs, Demartain Co
600 cs, 30,000 lbs, Abel Reggio
6,981 cs, 346,550 lbs, Braun Import Co
403 cs, 20,150 lbs, J Hougas
CASTOR BEANS—37,584 bgs, 5,637,600 lbs, Baker Castor Oil Co
3,531 bgs, 529,650 lbs, Spencer Kellogg & Sons
8,168 bgs, 1,224,450 lbs, Chemical Bank & Trust Co
3,454 bgs, 518,100 lbs, National City Bank
2,680 bgs, 402,000 lbs, First National Bank
4,220 bgs, 633,000 lbs, Geismer & Co
24,621 bgs, 3,693,150 lbs, Guaranty Trust Co
5,055 bgs, 758,250 lbs
CELERY SEED—190 bgs, 24,700 lbs, East India Trading Co
192 bgs, 24,960 lbs, Kachurin Drug Co
261 bgs, 33,930 lbs, Wessel, Duval & Co
85 bgs, 11,050 lbs, A G Dunn
111 bgs, 14,430 lbs, Raphael H Elmaleh
600 bgs, 78,000 lbs, Otto Gerdau Co
CHALK, PRECIP—700 bgs, H J Baker & Bro
COCOA BEANS—1,000 bgs, 200,000 lbs, Wessel, Kulenkampf & Co
1,000 bgs, 200,000 lbs, General Cocoa Co
500 bgs, 100,000 lbs, Rockwood & Co
500 bgs, 100,000 lbs, Blumenthal Bros
100 bgs, 20,000 lbs, Carl M Loeb Rhoades Co
1,000 bgs, 200,000 lbs, Cocoa Trading Co
COCOA BUTTER—3,500 bls, 472,500 lbs, Woodward & Dickerson
380 bls, 51,300 lbs, Westfeldt Bros
330 bls, 44,550 lbs, Schwabach & Co
470 bls, 63,450 lbs, General Cocoa Co
330 bls, 44,550 lbs, A C Israel Commodity Co
400 bls, 54,000 lbs, T M Duche & Sons
1,500 bls, 202,500 lbs, Ernest Adler & Co
180 bls, 24,300 lbs, Marx Segre
1,200 bls, 162,000 lbs, Nieschlag & Co
CUMARU BEANS—20 bbls, Wm M Allison & Co
DILLSEED—100 bgs, 13,000 lbs, Geo Lueders & Co
200 bgs, 26,000 lbs, Wagner Bros Seed Co
200 bgs, 26,000 lbs, D M Hutton & Co
170 bgs, 22,100 lbs, D Hecht Co
340 bgs, 44,200 lbs, East India Trading Co
1,320 bgs, 171,600 lbs, Kachurin Drug Co
400 bgs, 52,000 lbs, I Grob & Co
80 bgs, 10,400 lbs, Archibald & Kendall
451 bgs, 58,630 lbs, R J Spitz
350 bgs, 45,500 lbs, Wm M Allison & Co
170 bgs, 22,100 lbs, Biddle Purchasing Co
170 bgs, 22,100 lbs, C J Schellings & Co
170 bgs, 22,100 lbs, Becker Mayer Seed Co
170 bgs, 22,100 lbs, Joesson & Cress
FENUGREEK SEED—260 bgs, S B Penick & Co
FLEASEED—142 bgs, Peck & Velsor
HUSK—1,700 bgs, T M Duche & Sons
GLUE, BONE—50 bgs, Bank of London & South America
HIDE—50 bgs, Manufacturers Trust Co
GUM, KARAYA—460 bgs, Thurston & Braidich
130 bgs, Frank Vliet Co
473 bgs, Jacques Wolf & Co
130 bgs, S B Penick & Co
190 bgs, T M Duche & Sons
330 bgs, Gold Medal Haarlem Oil Co
GUM, KARAYA—260 bgs, Wessel, Duval & Co
796 bgs, Innis, Speiden & Co
193 bgs, American Cyanamid & Chemical Corp
726 bgs, Wm M Allison & Co
GYPSUM—2,440 tons, United States Gypsum Co
CALCINED—204 bgs, L A Salomon & Bro
HAIR, ANIMAL—2 bls, Philadelphia National Bank
3 bls, American Bristle Hair Drawing Co
7 bls, Manufacturers Trust Co
HORSE—3 cs, Gondrand Shipping Co

--Continued on page 70

Professional Services

Analysis—Testing—Patents
Formulations—Trademarks

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Day Chemical Company, Inc.
713-15 S. 14th St., Newark 3, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N. Y.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

James C. Munch
306 So. 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee 4, Wis.

W. S. Purdy Company, Inc.
128 Water St., New York 5, N. Y.

Foster D. Snell, Inc.
303 E. Washington St., Brooklyn 1, N.Y.

John M. Weiss & Co.
50 E. 41st St., New York 17, N. Y.

FEA Health Supplies Chief Dalley Quits

OPD Washington Bureau

J. A. R. Dalley has resigned as chief of the Health Supplies and Chemicals Division of the Foreign Economic Administration, effective as of September 30. No successor has yet been appointed by FEA Administrator Leo T. Crowley.

Mr. Dalley was one of the first of the chemical experts to be called to Washington by the government to aid in the preparation of the defense program. He was brought to Washington in April, 1941, to form the Chemicals, Drugs and Allied Group in the State Department which marked the beginning of the government's export control program.

Prior to coming to Washington, Mr. Dalley had been engaged in chemical export work for the Sharples Chemicals Corporation and also engaged in consultant work on the side. He has no plans for the immediate future other than to rest for a month. He is now recuperating at his home here from an illness that has kept him away from his office for several weeks.

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations)
Amberol, phenol formaldehyde type, F-7, extra light, bbls., c.l., works..lb. .15 - —
l.c.l., same basis....lb. .15½- .16
light, bbls., c.l., same basis lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
105-F, A-105-F, bbls., c.l., works..lb. .13 - —
l.c.l., same basis....lb. .13½- .14
B/S-1, extra light, bbls., c.l., works..lb. .13½- —
l.c.l., same basis....lb. .14 - .14½
light, bbls., c.l., same basis lb. .13 - —
l.c.l., same basis....lb. .13½- .14
dark, bbls., c.l., same basis lb. .12½- —
l.c.l., same basis....lb. .13 - .13½
M-82, bbls., c.l., works..lb. .14 - —
l.c.l., same basis....lb. .14½- .15
M-86, bbls., c.l., works..lb. .15 - —
l.c.l., same basis....lb. .15½- .16
M-88, bbls., c.l., works..lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
M-93, bbls., c.l., works..lb. .16½- —
l.c.l., same basis....lb. .17 - .17½
226, bbls., c.l., works..lb. .22½- —
l.c.l., same basis....lb. .23 - .23½
ST-137, bbls., c.l., works.lb. .33 - —
l.c.l., same basis....lb. .33½- .34
ST-187X, bbls., c.l., works. lb. .32 - —
l.c.l., same basis....lb. .32½- .33
rosin maleic type, 800, extra light and light, bbls., c.l., works..lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
F-7, dark, bbls., c.l., same basis..lb. .14 - —
l.c.l., same basis....lb. .14½- .15
F-77, bbls., c.l., works...lb. .18½- —
l.c.l., same basis....lb. .19 - .19½
F-71, light, bbls., c.l., works lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
K-12-A, bbls., c.l., works.lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
801, extra light and light, and 801P, bbls., c.l.lb. .15 - —
l.c.l., same basis....lb. .15½- .16
806P, bbls., c.l., works...lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
806, bbls., c.l., works....lb. .16½- —
l.c.l., same basis....lb. .17 - .17½
925, bbls., c.l., works....lb. .13½- —
l.c.l., same basis....lb. .14 - .14½
926, bbls., c.l., works....lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
750, bbls., c.l., works....lb. .27 - —
l.c.l., same basis....lb. .27½- .28
Aroclors, distilled, dms., c.l. works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works.lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening BR-254, dms., ton, works..lb. .33 - —
single dm. and less, works..lb. .33½- .36
100% pale, non-heat hardening, BR-9482, dms., ton, works..lb. .31 - —
single dm. and less, works..lb. .31½- .34
Bakelite, 100%, pale, non-heat hardening, BR-4036, dms., ton, works..lb. .37 - —
single dm. and less, works..lb. .37½- .40
BR-17700, non-ret. bbls., ton, works..lb. .32½- —
single dm. and less..lb. .33 - .35½
dark, non-heat hardening, BR-1329, dms., ton, works. lb. .29 - —
single dm. and less, works..lb. .29½- .32
BR-9434, non-ret. bbls., ton, works..lb. .25½- —
single dm. and less, works..lb. .26 - .28½
BR-9476, dms., ton, works. lb. .29 - —
single dm. and less, works.. lb. .29½- .32
pale, heat-hardening, BR-3360, dms., ton..lb. .36 - —
single dm. and less, works..lb. .36½- .39
BR-14634, dms., ton, works. lb. .30 - —
single dm. and less, works..lb. .30½- .33
BR-10282, dms., ton, works. lb. .32 - —
single dm. and less, works..lb. .32½- .35
BR-2175 (MTO), dms., ton, works..lb. .38 - —
single dm. and less, works..lb. .38½- .41
phenolic resins, resin-baking types, BV-1600, dms., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BV-8966 (MTO), dms., ton, works..lb. .20 - —
single dm. and less, works..lb. .20½- .23
BV-10673, ret. dms., dm. charges not included, ton, works..lb. .35 - —
single dm. and less, works..lb. .35½- .38
BV-16607 (MTO), dms., ton, works..lb. .212 - —
single drums and less, works. lb. .217 - .242
dispersion resins, phenolic, BK-3962-X, dms., ton, works..lb. .277 - —
single dm. and less..lb. .282 - .307
XK-16700, dms., ton, works. lb. .27 - —
single dm. and less..lb. .27½- .30
oil-modified, BR-302, dms., ton, works..lb. .346 - —
single dm. and less, works..lb. .351 - .376
oil modified, BR-2072, non-ret. bbls., ton, works..lb. .23 - —
single dm. and less, works. lb. .23½- .26
BR-2963, dms., ton, works.lb. .22 - —
single dm. and less, works. lb. .22½- .25
BR-11504, dms., ton, works. lb. .18 - —
single dm. and less.....lb. .18½- .21
BR-11544, dms., ton, works. lb. .18 - —
single dm. and less.....lb. .18½- .21
non-phenolic, XK-16624 dms., ton, works..lb. .22½- —
single dm. and less..lb. .23 - .25½
phenolic lacquer resins and solutions, XR-3180, dms., ton, works..lb. .45 - —
single dm. and less..lb. .45½- .48
XR-4357, dms., ton, works.lb. .45 - —
single dm. and less..lb. .45½- .48
BJ-15405, dms., ton, works. lb. .24 - —
single dm. and less.....lb. .24½- .27
XJ-10433, dms., ton, works. lb. .37 - —
single dm. and less..lb. .37½- .40
BR-9366, dms., ton, works. lb. .18½- —
single dm. and less..lb. .19 - .21½
100% phenolic, rosin reactive, XR-15775, dms. dm. charges included, ton, works..lb. .33½- —
single dm. and less..lb. .34 - .36½
XR-15778, ret. dms., dm. charges included, ton, works..lb. .50 - —
single dm. and less..lb. .50½- .53
glycerine reactive, BR-10025, dms., ton, works..lb. .28 - —
single dm. and less..lb. .28½- .31
C-9 resins, solid types, BR-13202, dms., ton, works..lb. .15 - —
single dm. and less..lb. .15½- .18
liquid types, BR-14590, dms., ton, works..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15780, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37
BR-16640, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37
XJ-15408, dms., ton, works. lb. .24 - —
single dm. and less..lb. .24½- .27
lacquer types, XJ-16580, dms., ton, works..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15840, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum charges prepaid to destination in the United States on shipments of standard drum quantities or multiples thereof, with the exception of those to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, deliveries to which cost 1c. per lb. more.

Made-to-order materials marked (MTO) are those which are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100 M-K, 1112-WG-N, c.l..lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
1102, M-K, c.l.....lb. .12 - —
l.c.l., same basis.....lb. .12½- .13
1116, K-1, 1123 M-K, c.l., same basis..lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
1124, M-K; P-306, M-K, c.l. lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
P-405, N-K, c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-406, M-I, c.l.....lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
1110, N-M, c.l.....lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
IIII WG-N, No. 1120, M-K, l.c. lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
Beckamine, P-2, works, c.l....lb. .11½- —
l.c.l., same basis.....lb. .12 - .12½
P-138, works, c.l.....lb. .22 - —
l.c.l., same basis.....lb. .22½- .23

Commerce Dept. Names N.Y. Business Consultant

Benjamin H. Gordon has been appointed by the Department of Commerce regional business consultant for the New York region, embracing the State of New York, Northern New Jersey, Southeastern Connecticut and Puerto Rico.

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IS AVAILABLE TO YOU *without restriction*

CAN BE SHIPPED NOW, without priority, in drums or tank cars. Contains no critical materials.

PERFORMS like a modified alkyd resin.

COLOR AND GLOSS are excellent initially, and are long retained.

USEFUL in a steadily expanding field, especially in industrial and architectural coatings for interiors, including whites. Many exterior applications too.

Samples and further data are available. Just call or write U. S. Industrial Chemicals, Inc.

SPECIFICATIONS— AROPLAZ 1306

	65% SOLIDS in MS	75% SOLIDS in MS
Acid Value (Plastic)	10-15	10-15
Color (G-H 1933)	7-9	7-9
Viscosity (G-H)	T-V	Y-Z1
Weight/Gallon at 25 deg. C.	7.6 lbs.	7.8 lbs.

THE *Complete* RESIN LINE

"S & W" ESTER GUM — all types | CONGO GUM — raw, fused and esterified | AROPLAZ — alkyds and allied materials | AROFENE — pure phenolics | ARCOHEM — modified types | NATURAL RESINS — all standard grades

U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., NEW YORK 17, N. Y. — CHEMICALS, RESINS, ANTI, USI SERVICE TO INDUSTRY, SOLVENTS, ALCOHOLS, FREEZE — BRANCHES IN ALL PRINCIPAL CITIES

Beckamine, P-196, c.l.	lb.	.26 - —
l.c.l., same basis	lb.	.26½- .27
P-198, accelerator, works, c.l.	lb.	.28 - —
l.c.l., same basis	lb.	.28½- .29
P-354, works, c.l.	lb.	.20½- —
l.c.l., same basis	lb.	.21 - .21½
P-364, works, c.l.	lb.	.13½- —
l.c.l., same basis	lb.	.13½- .14
Beckopol, 1400 M-K, c.l.	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .16½
Beckosol, solid, No. 18, 4-5 (80% M.S.), c.l.	lb.	.26 - —
l.c.l., same basis	lb.	.27 - .28
No. 24, 4-5L (80% toluol), c.l.	lb.	.33 - —
l.c.l., same basis	lb.	.34 - .35
No. 36, 4-5 (60% toluol), c.l.	lb.	.38 - —
l.c.l., same basis	lb.	.39 - .40

C

Cumar resin, AX, non-ret. drums.	lb.	.06¼- —
BX	lb.	.06¼- —
CX, net weight	lb.	.061 - —
DX, gross weight	lb.	.05¼- —
EX, gross weight	lb.	.05½- —
FX, gross weight	lb.	.05¾- —
MH, col. 1	lb.	.11¾- —
1½-2	lb.	.10¾- —
2½-3½	lb.	.09¾- —
9	lb.	.06½- —
MS	lb.	.10¾- —
P 10°-90° C., col. 2½ and darker,	lb.	.10¾- —
RH	lb.	.10¾- —
RS	lb.	.10¾- —
V col. ½	lb.	.12¾- —
1	lb.	.11¾- —
1½-2	lb.	.10¾- —
2½ and darker	lb.	.09¾- —
W col. ½	lb.	.13½- —
1	lb.	.12½- —
1½-2	lb.	.11½- —
2½ and darker	lb.	.10½- —

All "P" grades with melting point below 80 degrees centigrade, and grades AX, BX and CX are shipped in steel drums, with the three last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Durite, 1301, pale, one drum and over	lb.	.29 - —
smaller lots	lb.	.30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, dms., c.l., dlvd.	lb.	.15½- —
l.c.l.	lb.	.16 - .16½
B, c.l., dlvd.	lb.	15 - —
l.c.l.	lb.	.15½- .16
E, c.l., dlvd.	lb.	.16 - —
l.c.l.	lb.	.16¼- .17
H-1, c.l., dlvd.	lb.	.19 - —
l.c.l.	lb.	.19½- —
PV, c.l., dlvd.	lb.	.16¾- —
l.c.l.	lb.	.17¼- —
11, c.l., dlvd.	lb.	.16 - —
l.c.l.	lb.	.16½- —
22, c.l., dlvd.	lb.	.13 - —
l.c.l.	lb.	.13½- —
22-B, c.l., dlvd.	lb.	.10¼- —
l.c.l.	lb.	.11 - —
33, c.l., dlvd.	lb.	.15½- —
l.c.l.	lb.	.16 - —
44, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15½- .16
44B, c.l., dlvd.	lb.	.16 - —
l.c.l.	lb.	.15½- .16
55, c.l., dlvd.	lb.	.15½- —
l.c.l.	lb.	.16 - .16½
562, c.l., dlvd.	lb.	.16½- —
l.c.l.	lb.	.17 - —
640-N, c.l., dlvd.	lb.	.15½- —
l.c.l.	lb.	.16 - —
660-N, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15½- —
750, any quantity, dlvd.	lb.	.15 - —
830, c.l., dlvd.	lb.	.17 - —
l.c.l.	lb.	.17½- .18
1800, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15¼- .18
1825, c.l., dlvd.	lb.	.17½- —
l.c.l.	lb.	.18 - .18½
2155, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15½- .16
2195, c.l., dlvd.	lb.	.16 - —
l.c.l.	lb.	.16½- .17
2600, c.l., dlvd.	lb.	.18 - —
l.c.l.	lb.	.18½- —
2655, c.l., dlvd.	lb.	.14½- —
l.c.l.	lb.	.15 - —
2728, c.l., dlvd.	lb.	.16 - —
l.c.l.	lb.	.16 - .17
2775-BS, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15½- .16
4040, c.l., dlvd.	lb.	.15 - —
l.c.l.	lb.	.15½- .16

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1	lb.	.1222- —
l.c.l., 10 dms., same basis	lb.	.1297- —
single dms., same basis	lb.	.1447- —
smaller lots, same basis	lb.	.1947- —
C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1	lb.	.1147- —
10 dms., same basis	lb.	.1222- —
single dms., same basis	lb.	.1372- —
smaller lots, same basis	lb.	.1872- —

G

G, resin, dms., gross weight, works	lb.	.08 - —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs, works	lb.	.38 - —
5,000 to 29,999 lbs., same basis	lb.	.39 - —
200 to 4,999 lbs., same basis.	lb.	.41 - —
up to 199 lbs., same basis	lb.	.55 - —
No. 202, 30,000 lbs., works	lb.	.45 - —
5,000 to 29,999 lbs., same basis	lb.	.46 - —
200 to 4,999 lbs., same basis.	lb.	.48 - —
up to 199 lbs., same basis	lb.	.63 - —
No. 203, 30,000 lbs., works	lb.	.48 - —
5,000 to 29,999 lbs., same basis	lb.	.49 - —
200 to 4,999 lbs., same basis.	lb.	.51 - —
up to 199 lbs., same basis	lb.	.66 - —
Guai-a-phene, dms. (dm. deposit $6.00), works	gal.	2.47 - —
4 gals. or multiples, glass jars, 4 jars in each paper carton, works	gal.	2.62 - —
1-3 gals., cns., works	gal.	2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

J

Jozite (see zinc-iron oxide pigment in regular list above).

K

Kadox (zinc oxide), East of Pacific Coast:—		
Nos. 15, 17 and 72, bgs., c.l., dlvd.	lb.	.07¼- —
Nos. 15, 17 and 72, bbls., c.l., dlvd.	lb.	.07½- —
l.c.l., bgs., dlvd.	lb.	.07½- —
bbls., dlvd.	lb.	.07¾- —
No. 25, bgs., c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08¾- —
l.c.l., bgs., dlvd.	lb.	.08¾- —
l.c.l., bbls., dlvd.	lb.	.09 - —

Pacific Coast prices ¼c. per lb. higher; l.c.l. prices ex warehouse.

Kopol, 500, esterfied, D-B, c.l.	lb.	.22 - —
l.c.l.	lb.	.22½- .23
501, fused, c.l.	lb.	.20 - —
l.c.l.	lb.	.20½- .21

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.16½- —
l.c.l., 10 dms., same basis	lb.	.17 - —
1 dm., same basis	lb.	.17½- —
smaller lots, same basis	lb.	.22½- —
28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.16½- —
10 dms., same basis	lb.	.17 - —
1 dm., same basis	lb.	.17½- —
smaller lots, same basis	lb.	.22½- —
88, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1	lb.	.16½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.

M

Metronite pigment, 120 and 180 mesh, containers extra, c.l., f.o.b. Milwaukee	ton	10.00 - —
l.c.l., same basis	ton	14.00 - —
250 mesh, containers extra, c.l., same basis	ton	15.00 - —
l.c.l., same basis	ton	17.50 - —
325 mesh, containers extra, c.l., same basis	ton	17.50 - —
l.c.l., same basis	ton	20.00 - —
400 mesh, containers extra, c.l., same basis	ton	20.00 - —
l.c.l., same basis	ton	22.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd.	lb.	.14¾- —
190, dms., c.l., dlvd.	lb.	.18¾- —
290, dms., c.l., dlvd.	lb.	.20¾- —
fatty acid, 3R, dms., c.l., dlvd.	lb.	.13¾- —
17, dms., c.l., dlvd.	lb.	.12¾- —
19, dms., c.l., dlvd.	lb.	.16¾- —

Neo-fat prices are ½c. per lb. higher in all States west of the Rocky Mountains. Drums in all instances are returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works	lb.	.19 - —
hard, color 2-½-4, melting point 85-95°C., same basis	lb.	.17 - —
soft, color, 2-½-4, melting point 65-75°C., same basis	lb.	.17 - —
10 C, color ½-4, same basis	lb.	.24 - —
LX-483 same basis	lb.	.23 - —
OA, same basis	lb.	.45 - —
Neville resin, R-1 nevindene, col. ½, dms., works	lb.	.13½- —
R-3, nevindene, col. 1, dms., works	lb.	.12½- —
R-5, nevindene, col. 1½-2, dms., works	lb.	.11½- —
R-6 nevindene, col. 2½-3½, dms., works	lb.	.10½- —
R-7, N.P.S., col. below 2, dms., works	lb.	.12¾- —
R-9, hard, col. ½, dms., works.	lb.	.12¾- —
R-10, hard, col. 1, dms., works	lb.	.11¾- —
R-11, hard, col. 1½-2, dms., works	lb.	.10¾- —
R-12, hard, col. 2½-3½, dms., works	lb.	.09¾- —
R-13, medium, col. ½, dms., works	lb.	.12¾- —
R-14, medium, col. 1, dms., works	lb.	.11¾- —
R-15, medium, col. 1½-2, dms., works	lb.	.10¾- —
R-16, medium, col. 2½-4, dms., works	lb.	.09¾- —
R-16A, medium, col. 7-10, dms., works	lb.	.08½- —
R-17, medium, soft, col. 3½-8, dms., works	lb.	.10¾- —
R-19, medium soft, col. 3½-8, dms., works	lb.	.10¾- —
R-21, soft, col. 3½-8, dms., works	lb.	.10¾- —
R-22, special, soft, col. 3½-8, dms., works	lb.	.10¾- —
R-27, medium, soft, col. 1, dms., works	lb.	.13¾- —
R-28, medium soft, col. 1½-2, dms., works	lb.	.12¾- —
R-29, medium soft, col. 2½-8, dms., works	lb.	.10¾- —
R-33, R-34, color 10-15, dms., works	lb.	.0625- —
R-35, color 10-15, dms., gross weight, works	lb.	.0575- —
Paradene, No. 1, 75-99° C., dms., gross wt., works	lb.	.05¼- —
2, 100-124° C., dms., gross wt., works	lb.	.05¼- —

Paradene prices are freight equalized with Philadelphia, Pa.

405, 110-125° C., dms., gross weight, Pittsburgh	lb.	.06½- —

Neville resin prices, except 405 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevtex, 10, returnable dms., works	lb.	.08 - —
90, returnable dms., works	lb.	.20 - —
Nuba, 1, 80-95° C., dms., gross weight, works	lb.	.0290- —
2, 100-125° C., dms., gross weight, works	lb.	.0290- —
3x, 135-150° C., dms., gross weight, works	lb.	.04½- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs, works	lb.	.31¼- —
10½%, 100-lb. pkgs	lb.	.52 - —
Iron, 6%, 400-lb. pkg	lb.	.15¼- —
10%, 100-lb. pkgs	lb.	.22½- —
Lead, 24%, 450-lb. pkgs	lb.	.14½- .15½
32%, 450-lb. pkgs	lb.	.18¾- —
34%, 100-lb. pkgs	lb.	.19½- —
40%, 100-lb. pkgs	lb.	.23 - —
Lead, 28%, cobalt, 2.8%, 150-lb. pkgs	lb.	.30 - —

Durez RESIN NEWS

Durez 330 Resin

Durez 330 Resin is a semi-solid resin sold in 85% concentration in toluol. It resembles taffy in color, opacity, and consistency.

As marketed, it is essentially a complete material, requiring only the addition of suitable solvents before application. It may be plasticized by the addition of bodied oils if greater flexibility is desired.

It is miscible with all lacquer solvents of the ester type, but it is not entirely compatible with alcohols. Coal tar thinners may be used, but petroleum solvents do not produce a stable mixture.

This resin produces a very fast-drying primer for use with lacquers. The resin itself is soluble in lacquer solvents, and for this reason pouring on a lacquer will wash off the primer.

Spray coating will not lift or cause puckering of the primer but will yield a good bond between the primer and the lacquer. The film of the primer has excellent adhesion to metal. Primers from this resin will set in two to three minutes and will not lift when spray coated with lacquer twenty to thirty minutes afterward.

TT-P-146

Federal Specification TT-P-146, dated June 5, 1942, covers a varnish base paint for use on exterior and interior cement and wood floors.

A suitable enamel meeting all the requirements of this specification can be made from formula V-51011. This varnish combines dehydrated castor oil and oiticica oil with Durez 219 Resin. A gray enamel made with this vehicle, identified by the formula number P-51032, meets all the requirements of the specification such as imprint, water resistance, and abrasion resistance. In the abrasion test, a paint film 1.6 mils in thickness is only slightly dulled by twenty liters of Ottawa sand. It will withstand bending over a ⅛-inch mandrel without cracking.

The enamel brushes and dries well.

AN-S-17 Wood Sealer (Plywood)

This specification, Amendment No. 1, covers a clear sealer for wood. It is intended as a sealing coat which will be unaffected by top coats of lacquer, dope, and enamel wood finishes.

Due to the current shortage of alkyd resins, the use of a phenolic resin oleoresinous type sealer is recommended. Formula V-51008, which is formulated with Durez 220 and drying oils, meets all the requirements of this specification, including dry, flexibility, non-lifting under lacquer, and low water permeability.

Rust Prevention

A metal surface may be protected from rust and corrosion, even under very severe conditions, by coating with a thin film of Durez L-50690.

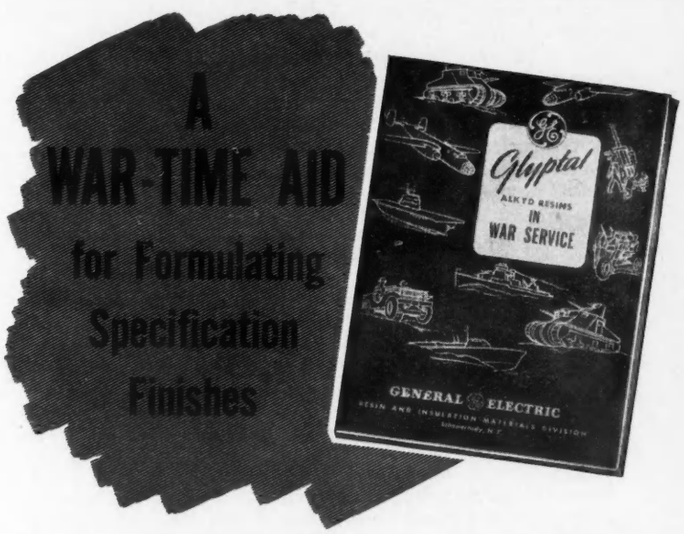
Baking at temperatures ranging from 250° F. to 350° F. is required with this coating to convert the film to an infusible state.

A film thickness ranging from .0003 inches to .0005 inches is usually sufficient to provide complete protection against all types of solvents, oil, grease, saline solutions, and mild alkalies and acids, and is highly impermeable to moisture.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
1310 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB



This new, easy-to-use Glyptal data book puts at your fingertips all the facts about Glyptal Alkyd Resins and their use in war-service formulations. The chart (above) presents in a very simple form, the constants, characteristics and film properties of each Glyptal solution. Another section lists government specifications together with suggested Glyptal solutions to use, and then gives suggested formulation for meeting specifications. You will find it a handy book to have. Write for a copy to Section RIM1042-35, Resin and Insulation Materials Division, General Electric Company, Schenectady 5, N. Y.

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GENERAL ELECTRIC

PREPARE NOW

To Meet Prospective Demands For Civilian Goods Protective Coatings

WITH

VELSICOL AF-3 RESIN

Even *partial* reconversion will confront you with problems of resin suitability, quality, and availability in meeting the demands for protective finishes. VELSICOL AF-3 will enable you to respond confidently and dependably to these problems and will provide you with new concepts of resin efficiency and value. Coatings based upon it conform to the most exacting requirements, as evidence in . . .

BAKING VARNISHES AND ENAMELS

AF-3 is characteristic of the oxidizing and heat type resins. Its degree of unsaturation enables this resin to absorb oxygen rapidly, and thus dry quickly and bake to cured films through a combination of oxidation and polymerization. AF-3 is compatible with all drying and semi-drying vegetable oils and completely miscible with aliphatics and other non-allocated solvents, and when properly baked produces films that are tough, flexible, and highly resistant to the normal distructive effect of solvents, acids, alkalis, water and salt sprays. As AF-3 is neutral to basic pigments it will not cause livering to finished enamels.

ALUMINUM BAKING VEHICLES

AF-3 aluminum vehicles assure can stability to your ready mixed paints combined with good leafing and leaf-retention on aging. These finishes possess maximum hardness and flexibility of film when baked at 250° F. for one hour, and are outstanding for their decorative appeal.

When combined with vegetable oils AF-3 produces films that are highly competitive with those of the more critical alkyd type resins. AF-3 resin is available without allocation in solid form and in solution. Now is the time to investigate the possibilities this resin offers for your current production needs, and for the months to come.

Our paint and varnish laboratory will be glad to consider your special problems. WRITE TODAY FOR SAMPLES AND ADDITIONAL DATA.

VELSICOL Corporation

GENERAL OFFICES: 120 EAST PEARSON STREET, CHICAGO

VELSICOL

PLANT: MARSHALL, ILLINOIS

Nuodex drier, lead, 28%, manganese, 2.8%, 150-lb. pkgs.. lb. .23½- —
manganese, 6%, 400-lb. pkgs., lb. .16¼- —
10½%, 100-lb. pkgs.....lb. .27¼- —
Zinc, 8%, 400-lb. pkgs.....lb. .18½- —
10%, 400-lb. pkgs.....lb. .19¾- —
12%, 100-lb. pkgs.....lb. .23 - —
All prices are divd., east of Denver.

P

Paradura, AV, 300-lb. bbls., c.l., divd..lb. .28 - —
l.c.l. .....lb. .29 - .30
C, c.l., divd.....lb. .33 - —
l.c.l. .....lb. .34 - .35
10-P, c.l., divd.....lb. .35 - —
l.c.l. .....lb. .36 - .37
46, c.l., divd.....lb. .22½- —
l.c.l. .....lb. .23 - .23½
273, c.l., divd.....lb. .23 - —
l.c.l. .....lb. .24 - .25
367, c.l., divd.....lb. .35 - —
l.c.l. .....lb. .36 - .37
540, c.l., divd.....lb. .35 - —
l.c.l. .....lb. .36 - .37
Paranol resin, extra hard, No. 1, 300-lb. bbls., c.l., divd..lb. .15 - —
l.c.l. .....lb. .15½- .16
Extra hard, No. 2, c.l., divd.lb. .14 - —
l.c.l. .....lb. .14½- .15
Hard, No. 1, c.l., divd.....lb. .13½- —
l.c.l. .....lb. .14 - —
No. 3, c.l., divd.....lb. .12½- —
l.c.l. .....lb. .13 - .13½
25, c.l., divd.....lb. .12½- —
l.c.l. .....lb. .13 - .13½
25, light, c.l., divd.....lb. .13 - —
l.c.l. .....lb. .13½- —
54-E, c.l., divd.....lb. .16½- —
l.c.l. .....lb. .17 - —
100, c.l., divd.....lb. .17 - —
l.c.l. .....lb. .17½- .18
105-B, c.l., divd.....lb. .13 - —
l.c.l. .....lb. .13½- .14
200, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .18 - .18½
500, hard, c.l., divd.....lb. .14½- —
l.c.l. .....lb. .15 - .15½
extra hard, c.l., divd.....lb. .17 - —
l.c.l. .....lb. .17½- .18
800, extra light, c.l., divd....lb. .15 - —
l.c.l. .....lb. .15½- .16
800, dark, c.l., divd.....lb. .14 - —
l.c.l. .....lb. .14½- .15
850, c.l., divd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
1600, c.l., divd.....lb. .14½- —
l.c.l. .....lb. .15 - .15½
1700, c.l., divd.....lb. .16 - —
l.c.l. .....lb. .16½- .17
1750, c.l., divd.....lb. .15 - —
l.c.l. .....lb. .15½- —
1855, c.l., divd.....lb. .13 - —
l.c.l. .....lb. .13½- —
3046-C, c.l., divd.....lb. .22½- —
l.c.l. .....lb. .23 - .23½
3101, c.l., divd.....lb. .15¾- —
l.c.l. .....lb. .16¼- .16¾
3645, c.l., divd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .13 - —
l.c.l., 10 dms., same basis, lb. .13½- —
single dms., same basis.....lb. .14 - —
smaller lots, same basis..lb. .19 - —
Pentalyn G, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1..lb. .14½- —
l.c.l., 10 dms., same basis..lb. .15 - —
single dms., same basis..lb. .15½- —
smaller lots same basis..lb. .20½- —
P.H.O., dms., works.....lb. .24 - —
Phencondensol V-120, non-ret. dms., divd.,c.l..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
S-55, S-70, same basis, c.l.lb. .16 - —
l.c.l. .....lb. .16½- —
S-85, S-100, same basis, c.l.lb. .17 - —
l.c.l. .....lb. .17½- —
S-115, same basis, c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —
Piccoumaron resins,[1] 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald..lb. .08 - —
420-T, same basis.....lb. .0675- —
422-R, 423-R, 425-R, 427-R, bulk, net wt., same basis..lb. .1075- —
430, 435, bulk, gross wt., same basis..lb. .045 - —
440-T, same basis.....lb. .0625- —
450, 450-H and 450-S, same basis..lb. .09 - —
450-EH, same basis.....lb. .0975- —
460-T, same basis.....lb .0575- —
XX-25, XX-40, bulk, net wt., same basis..lb. .0625- —
XX-55, bulk, gross wt., same basis..lb. .0575- —
XX-70, XX-100, same basis.lb. .0525- —
XX-115, same basis.....lb. .0575- —
T-115, same basis.....lb. .0725- —
70%, 420-S Sol., ret. dms., net wt..lb. .075 - —
Plastopal, R-80, ret. dms., divd., c.l..lb. .12½- —
l.c.l., same basis.....lb. .13 - .14
Pliolite, powder, ton lots, works. lb. .66 - —
dm. lots, same basis.....lb. .69 - —
less dm. lots, same basis.lb. .74 - —
milled, ton lots, works.....lb. .75 - —
dm. lots, same basis....lb. .79 - —
less dm. lots, same basis.lb. .84 - —
Plyophen, solution, 5000, c.l., works..lb. .18 - —
l.c.l., same basis.....lb. .18½- .19
5010, c.l., same basis.....lb. .18½- —
l.c.l., same basis.....lb. .19 - .19½
5011, c.l., same basis.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
5012, 5013, c.l., same basis..lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
5014, c.l., same basis.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½

R

Resinous oil, No. XI, returnable dms., works..lb. .0160- —

S

Silene (see Calcium silicate hydrated under C in Current Market Quotations)
Staybelite ester, No. 1, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
10 dms., same basis.....lb. .18½- —
1 dm., same basis.....lb. .19¼- —
smaller lots, same basis....lb. .24¼- —
No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1824- —
No. 3, returnable black iron dms, c.l., f.o.b. cars, destination, zone 1..lb. .1974- —
10 dms., same basis.....lb. .2049- —
1 dm., same basis.....lb. .2149- —
smaller lots, same basis....lb. .2649- —
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .14¼- —
Staybelite ester, No. 10, 10 dms., same basis..lb. .14¾- —
1 dm., same basis.....lb. .15 - —
smaller lots, same basis....lb. .20 - —
Super-Beckacite, RM-254, 1001, 1020, c.l..lb. .33 - —
l.c.l., same basis.....lb. .33½- .34
1003, F.E., c.l.....lb. .31 - —
l.c.l., same basis.....lb. .31½- .32
2000, M-K, c.l.....lb. .27 - —
l.c.l., same basis.....lb. .27½- .28
2667, E-D, c.l.....lb. .23 - —
l.c.l., same basis.....lb. .23½- .24
3011, c.l.....lb. .31¼- —
l.c.l. .....lb. .32 - .32½

V

Vanadiset resin, divd. Balto-Washington area, 26-140 tons, shpt..ton.32.40 -35.40
1-25 tons, shpt.....ton.51.40 -63.00
under 1 ton, shpt.....ton.83.00 - —
Canada, Windsor to Montreal, 26-140 tons, shpt..ton.35.60 -38.60
1-25 tons, shpt.....ton.54.00 -66.00
under 1 ton, shpt.....ton.86.00 - —
Greater N. Y., North. N. J., Conn., 26-140 tons, shpt... ton.31.00 -34.00
1-25 tons, shpt.....ton.48.00 -60.00
under 1 ton, shpt.....ton.80.00 - —
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-140, tons, shpt..ton.36.00 -39.00
1-25 tons, shpt.....ton.55.00 -67.80
under 1 ton, shpt.....ton.87.80 - —
Iowa, Wis., Minn., Florida, Alabama, Mississippi, 26-140 tons, shpt..ton.36.00 -39.00
1-25 tons, shpt.....ton.56.00 -68.80
under 1 ton, shpt.....ton.88.80 - —
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, 26-140 tons, shpt..ton.41.00 -43.00
1-25 tons, shpt.....ton.60.00 -80.00
under 1 ton, shpt.....ton.90.00 - —
New England (except Conn.), 26-140 tons, shpt..ton.32.40 -35.40
1-25 tons, shpt.....ton.53.00 -63.80
under 1 ton, shpt.....ton.82.00 - —
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, 26-140 tons, shpt... ton.32.00 -35.00
1-25 tons, shpt.....ton.53.00 -65.80
under 1 ton, shpt.....ton.85.80 - —
Ohio, Mich., Ind., W. Va., 26-140 tons, shpt..ton.33.60 -36.60
1-25 tons, shpt.....ton.54.00 -64.00
under 1 ton, shpt.....ton.84.00 - —
Pac. Coast, Ariz., New Mex., Utah, Nev., Idaho, Mont., Wyoming and Canada (except Windsor to Montreal), 26-140 tons, shpt..ton.51.00 -54.00
1-25 tons, shpt.....ton.70.00 -82.00
under 1 ton, shpt.....ton.94.00 - —
Southern New Jersey, East. Pa., Del., 26-140 tons, shpt..ton.31.00 -34.00
1-25 tons, shpt.....ton.50.00 -62.00
under 1 ton, shpt.....ton.82.00 - —
Vanadiset prices are subject to a 3 percent tax on transportation.
Vinylseal adhesive solutions, vinylite resin AYAB, 69-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va... gal. 2.75 - —
less than drum lots, same basis..gal. 3.00 - —
AYAF, 35% by weight, solution in acetone, A-35, drum lots, same basis..gal. 2.10 - —
less than drum lots, same basis..gal. 2.50 - —
modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T 24-9, 20-drum lots, same basis..gal. 2.00 - —
drum lots, same basis....gal. 2.25 - —
less than drum lots, same basis..gal. 2.50 - —
28% by weight, solution in 82% methyl acetate, MA 28-14, 20-drum lots, same basis, gal. 2.15 - —
drum lots, same basis...gal. 2.40 - —
less drum lots.....gal. 2.65 - —
All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.
Vinylite resins, vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va..lb. .38 - —
10,000 to 29,999 lbs., same basis..lb. .39 - —
200 to 9,999 lbs., same basis. lb. .40 - —
1 to 199 lbs., same basis.lb. .56 - —
VYNS, c.l. (30,000 lbs.), paper bags,same basis..lb. .50 - —
10,000 to 29,999 lbs., same basis..lb. .51 - —
200 to 9,999 lbs., same basis. lb. .52 - —
1 to 199 lbs., same basis..lb. .68 - —
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis..lb. .47 - —
10,000 to 29,999 lbs., same lb. .48 - —
200 to 9,999 lbs., same basis, basis..lb. .49 - —
1 to 199 lbs., same basis..lb. .65 - —
vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.).....lb. .40 - —
2,000 to 29,999 lbs., same basis..lb. .43 - —
200 to 1,999 lbs, same basis. lb. .45 - —
1 to 199 lbs., same basis.lb. .60 - —
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.lb. .38 - —
10,000 to 29,999 lbs., same basis..lb. .39 - —
200 to 9,999 lbs., same basis, lb. .40 - —
1 to 199 lbs., same basis..lb. .56 - —
vinyl butyral resins, XYHL, XYHM, XYNC, granular, 93 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l..lb. .82 - —
10,000 to 29,999 lbs., same basis..lb. .83 - —
200 to 9,999 lbs., same basis. lb. .84 - —
1 to 199 lbs., same basis.lb. 1.00 - —

Z

Zinlac, orange or white, 50-wt. bbls..gal. 1.25 - —
kits (5 gals.).....gal. 1.35 - —
jugs (1 gal.).....gal. 1.50 - —

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A Completely Water-Miscible Solvent with a Wide Range of Possibilities

SEND FOR SAMPLE

Gamma Valerolactone is an unusual solvent that has a wide range of possibilities in the manufacture of war-essential products. Samples for experimental purposes will be sent free and without obligation in response to requests on company letterheads.

Monsanto GVL, which is non-irritating and safe for all normal uses, is completely miscible with water. It also is miscible with most organic solvents and plasticizers and with resins, waxes, oils, fats and acids, except anhydrous glycerine, polyvinyl alcohol, glue, casein, gum arabic and soya bean protein. It is slightly miscible with zein, degras, beeswax, petrolatum and mineral spirits.

If physical properties of Monsanto GVL suggest possible applications in your war production, we shall be pleased to supply you with a sample. Please address your inquiry to the nearest Monsanto Office or to MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

PHYSICAL PROPERTIES

Appearance	Colorless, mobile liquid
Formula	$C_5H_8O_2$
Molecular Weight	100.06
Boiling Point (760 mm.)	205-206.5° C.
Flash Point (Cleve. Open Cup)	205° F.
Fire Point (Cleve. Open Cup)	220° F.
Crystallizing Point	−37° C.
Specific Gravity @ 25/25° C.	1.0518
Refractive Index @ 25° C.	1.4301
Surface Tension @ 25° C.	39. dynes/cm.
Viscosity @ 25° C.	2.18 Centipoises
pH (Anhydrous)	7.0
pH of 10% Solution in Distilled H_2O	4.2

POSSIBLE FIELDS OF APPLICATION

1. As a coupling agent in dye baths. **2.** In brake fluids. **3.** In cutting oils. **4.** As a solvent for insecticides and fungicides. **5.** As a lacquer solvent to reduce blush. **6.** As a solvent for adhesives.

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Drug Distribution Trends

The drug trade probably will run into a new degree of competition from the grocery trade after the war. The distributive functioning of both trades probably will be in large measure combined in an institution which may be designated a family shopping center.

The trend toward such distributive functioning was noted by speakers at last week's meeting of the National Wholesale Druggists Association. These commenters did not present the fundamentals of the new competition, some of which were laid out quite intelligibly by the general counsel for the American Pharmaceutical Manufacturers' Association in the executive session of its 1944 annual meeting.

This trend is not a new one. It had a sort of retaliatory origin, or revivification, more than a decade ago, and reflected the feeling that took the spice and flavorings business largely out of the drugstore along about the beginning of the current century. The slowly increasing trend has been aggravated by the fight over which trade is to be the purveyor of the vitamins of the nation.

At the present time some packaged medicines and cosmetics are being sold in five times as many grocery stores as there are drugstores in the country. This more widely spread distribution has an attraction for some manufacturers, who, along with others, are also attracted by the fact that the grocer functions at about one-half the markup which the druggist requires — the wholesale grocer's margin likewise is smaller.

Whatever the proportion of manufacturers of medicines and cosmetics attracted to the grocery trade for distribution; whatever measure of truth there is in the belief that the several divisions of the drug trade will stick together—and that is true with respect to the big majority—the increasing demands of grocers for drugs and toiletries will be fully met. There is already a noticeable movement of grocery manufacturers into the drug and cosmetic field, through acquisition of existing companies and by way of the establishment of new lines. Here again the prevailing ideas of profits differ.

Legislation will not solve the approaching problem of drug and cosmetic distribution. Neither will advertising. The problem increasingly demands analytical consideration from professional, economic, and social angles. Drugstores have as good a chance as groceries to become the nucleus of a family shopping center. The druggist, as an individual, has an advantage over the grocer. He also has a professional ace in the hole. Doubtless, the first phase of any changing order will be a conglomeration. The part that any individual or group will have in this will depend on several things, not the least of which will be initiative and adaptability.

—O-P-D—

Favoritism Costs Too Much

Politics and business are already started with the clashing that is inevitable between their opposing views with respect to the postwar economic processes of the country. Their most severe mixup so far has been over the postwar disposition of governmentally operated and other government-owned plants. This economic area will be the scene of continuous conflict, for nobody can say how long. Political expedience and vote-getting just cannot be harmonized with business common sense and profitable utilization of all sorts of resources of the nation, mechanical, as well as mineral.

One of the biggest political pushes for continued utilization of government-owned plants has to do with those engaged in production in the grain-alcohol-butadiene-elastomer series. The farm political group has decreed that rubber must be made from agricultural crops, and what that bunch of syndicalists decrees usually turns out to be the law of the land and the policy of the nation. The push for grain-derived rubber has not yet shelved private operation of the government plants; neither has it recommended such operation. It stops at the declaration that the production is desirable, necessary, and cheaper than letting the plants get grass-grown and rusty. The higher cost, in comparison with synthetic rubber made from petroleum, is not taken into consideration: costs have always been something about which arguers for farm favoritism customarily are naively ignorant or foxily silent. Of course, it is clear that running the grain into rubber might not add anything to the cost of the grain which the government has obligated itself to purchase under its price-propping policy over the next few years. The rubber could be sold.

The clash of business with this idea of keeping government plants going, whatever may be the financial result, comes in the warning by officers of the Chamber of Commerce of the United States that endeavoring to maintain the industrial activity of a community by means of continued governmental operation of unnecessary warplants would bring a further impetus toward socialism. The business leaders urge that community plans be made for utilization in useful operations of unneeded warplants capable of conversion, and that specialized plants not needed as emergency standbys be dismantled.

Promoters are already getting busy laying out big programs for the conversion of warplants to peace production. They are finding ready ears among the businessmen of communities which have become opulent by reason of warwork payrolls. Local storekeepers naturally are hopeful that the big spending to which they have become accustomed can be continued. Many of them are all too ready to believe that mere continuation of operation of the supporting plants will suffice to that end. Whether such operation would pay at all is a matter of little import to them at the moment.

Such are the states of mind out of which promoters get rich and politicians become perpetual. If private enterprise cannot make the plants pay, good old government is always within call, and the taxpayer far and wide pays a fair price for the product—plus whatever loss results from making it under unsuitable conditions. It is time that this large "we-pay-for-it" majority made itself heard and felt with reference to costly political favoritism.

—O-P-D—

Physical and Social Sciences

The forum in New York this week on the economic role of industrial research has a broad commercial scope. It is not concerned with the scientific aspects of research. There is a possibility that some measure of consideration will be developed for its social aspects. There is a slight implication of that in the topics of discussion:—

1. What should be the guiding principles and objectives for the commercial programs of industrial research and development organizations?

2. How can small business serve itself and be served by industrial research and development?

3. What place should industrial research and development organizations allocate to future work directed primarily toward national security rather than commercial considerations?

These topics will be discussed by chemists, physicists, industrialists, and the Under Secretary of War. On the unpredictable extent to which these commenters develop the social side of the topics will depend how much will be achieved toward a correction of a fault voiced some sixteen months ago by Dr. Willard H. Dow, when he said:—

> The war, if it demonstrates anything, demonstrates that mankind as a whole is morally and politically unfit to apply the knowledge which science has placed at its command.

The physical scientist is frequently blamed for not recognizing and accepting the responsibility of assuring proper use of his developments. The physical scientist defends himself with the averment that the principal concern of science is to add to the store of knowledge, not to direct its application. It is at this point that the capabilities of the social scientist should be correlated with technologic progress. Unfortunately, there appears to be little possibility of such a complemental association. Physical science is criticized by some for its disregard for, even conflict with, theologic and humanistic teachings. Be these what they may, it cannot be denied that technologic development is not adequately applied to the promotion of social progress.

Physical science and social science should have a correlated purpose and should cooperate for its achievement. Admittedly, it will be difficult for them to find a common ground on which to join forces. But, such a meeting-place can be contrived—with the clearly relevant assistance of business management.

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Heavy Chemicals

Although the supply condition of many industrial chemicals remained short of demand, improvement in at least one direction could be noted. WPB has removed allocation controls from soda metasilicate. This chemical has been under allocation for almost a year and now has a productive capacity sufficient to fully meet current requirements. Aside from this, there was a definite absence of easement. Constant buying of antimony oxide has created a shortage of that chemical. Demand emanated from government sources and it was understood that the material was being used for flame retardant purposes.

An amendment to conservation order M-28 stated that the use of substitute refrigerants such as methyl chloride, sulphur dioxide and ammonia must be continued until the freon situation improves. It was expected that the use of substitutes in refrigerants and the restrictions on freon in air conditioning would be discontinued September 30, but an unexpected shortage of anhydrous hydrofluoric acid has made this impossible. New freon facilities had been completed, that were capable of producing, together with existing facilities, 5,500,000 pounds of freon monthly. The shortage of anhydrous hydrofluoric acid has made it necessary to limit freon output to 70 percent of capacity.

Paper production as a percentage of six-day capacity was 93.7 in the week ended Sept. 23, according to the American Paper & Pulp Association. This compares with 94.8 in the previous week and 92.2 percent a year ago.

Acetic Anhydride.—Cellulose acetate yarn was granted 21,048,402 pounds for September compared with 21,635,736 pounds in August. Staple fiber also received less in September, the total amounting to 4,605,661 pounds against 5,259,335 pounds in August. Other requests were covered in full by WPB.

Alumina Clay.—To aid various Government agencies in their war program on aluminum, a preliminary report on the Molalla high-alumina clay deposit has been prepared by the Geological Survey and placed in open file. Copies of the report describing the geology, ore deposits, and reserves, accompanied by maps, cross sections, and columnar sections, may be consulted by those interested at the offices of the Geological Survey in Washington, D. C., at the regional office of the Geological Survey, Spokane, Wash., and the State Department of Geology and Mineral Industries, Portland, Ore.

Carbon Bisulphate.—War Food Administration purchased 7,500 pounds during the month of August.

Carbon Dioxide.—Carbon dioxide producers industry committee recommended that WPB grant industry permission to construct facilities to produce an additional 90,000 tons per quarter. This recommendation was made on September 26.

Cobalt Sulphate. — An odd lot, amounting to 7,500 pounds, was offered for sale by the Regional Redistribution Division of WPB located in the Empire State building, this city. Material was taken from excess inventories.

Magnesium. — On September 28, WPB announced a change in the magnesium and magnesium alloy ingot regulation permitting alloys not previously sold in ingot form to be sold at differentials above present established ceilings.

Nickel.—Tight because of a shortage of rolling facilities, according to WPB. For this reason it was reported that it may again be necessary for lamp manufacturers to discontinue the use of nickel wire, temporarily and resort to the use of nickelplated steel wire as they did in 1943, when nickel was critical.

Silica Gel.—Heavily increased military demands for the desiccant grade of silica gel for the moisture proof packaging of war material sent to combat areas were responsible for WPB placing this chemical under the control of order M-300, the general chemicals order. Moisture proofing of containers to prevent mildew and corrosion of the contents is a war developed use of silica gel. Military uses have caused the industry to expand from a yearly average production of 500,000 pounds to 60,000,000 pounds. No allocation controls were placed on the catalyst grade or on the desiccant grades that are finer than 80 mesh.

Soda Ash.—Manpower shortage continued to delay deliveries of ash in bags. Bulk shipments are reported to have run fairly close to schedule. No easement could be noted in consuming demand and heavy production was overtaxed to satisfy requirements. There seemed to be no limit on the call for dense ash from the glass industry. Meanwhile, a healthy inquiry for South America remained unfilled for lack of available material.

Soda Caustic.—No departure from the irregular supply situation. Solid and flaked held a definitely tight position with liquid possibly in a better condition as to time of shipment. Some major producers have enough miscellaneous contracts booked to cover production for some time ahead and are not eager for additional business until existing schedules are completed. No visible improvement in buying conditions could be noted.

Soda Metallic. — Continued heavy demand for military requirements forced further reductions in September allocations. In order to supply demand, it was necessary to reduce inventories. Allotments for tartrazine dye and indigo were cut 50 percent, while for some other uses a reduction of 15 to 20 percent was recorded.

Soda Metasilicate. — This material was removed from allocation controls on September 26 by WPB. The chemical was placed under allocation in October, 1943, when increased military requirements had created a tight supply. New facilities and cooler weather which increases the productive capacity of plants have now made the supply adequate to meet current demands.

Tungsten.—Increasing tightness in the supply of tungsten for incandescent and fluorescent lamp manufacture was reported by WPB. Military requirements for tungsten wire, particularly in small sizes has increased. The supply of wire for lamp manufacture is not expected to improve until February, 1945, when new facilities can be brought into operation.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Acids

Acetic.—Production kept supply sufficient to satisfy most all of the industrial demand in full for the month of September. Textile mills received 924,341 pounds for processing requirements.

Chromic. — Military requirements have continued to get the jump on supplies of this acid. Demand remained above the supply limit, and no easement could be noted in civilian buying conditions.

Naphthenic. — Civilians were not permitted to purchase much of this acid during September. WPB stated that prospective increased production will not ease the civilian drier position in the least. The condition of the rectified grade is expected to remain critical for some time.

Oxalic.—Supply position offered no appreciable improvement. The heavily sold ahead condition of output is reported to justify a tight buying position over the last quarter of the year.

Sulphuric.—Showed a further tend-

For Current prices see alphabetical listing beginning on page 9.

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Feted by Diamond Alkali

Colonel Donald M. Blakeslee, who is twenty-seven years of age, and one of the most decorated of U. S. airmen, and, prior to entering the service, an operator in Diamond Alkali Company's chlorine department at its Painesville, Ohio, plant, was recently honored at a community testimonial dinner while home on leave at Painesville. Col. Blakeslee was presented with a navigation watch at the dinner by Raymond F. Evans, vice-president and general manager on behalf of the company.

ency to tighten. The shortage was more emphasized in large lots than in smaller quantities. The movement continued heavy for use in the manufacture of high-octane gasoline, while producers of superphosphate have experienced more difficulty in securing sufficient acid for acidulating requirements.

Baltimore, Sept. 29.—There is still a shortage of sulphuric acid, especially in the Gulf region, because of the expansion in the facilities for turning out high-octane gas for the air forces. In the expectation that the demand for this plane fuel would be large, the facilities for turning it out were greatly increased, while the production of acid failed to keep pace. Small account was taken of the fact that the output of acid must increase along with the stepping up of the high-octane yield, and the facilities for turning out the gas, especially in the Gulf area, have run ahead of the acid supply. The ceiling on acid continues at top prices realized in March two years ago. As a consequence there are variations, but they are not deemed of any importance, so that virtual uniformity prevails. If this unevenness should prove to be material, the government for its part has a means of equalization, this being by the process of renegotiation, which has come in for a good deal of criticism.

Insecticides

Pyrethrum was allocated for September on the basis of 10 percent of consumption during 1940-1941 for civilians, consistent with permitted use. Advices from South Africa in reference to the situation at Kenya state that although sales of pyrethrum powder in the colony for civilian use averaged only about 60 tons annually in 1942 and 1943—not a large amount compared with total production—the saving of most of this quantity represents a valuable addition to the amounts available for export.

War Food Administration and WPB regulated the September distribution of rotenone on a basis of existing inventories and insect infestation for agricultural use.

Manufacturers of agricultural insecticides were granted 100,000 pounds of naphthalene for September by WPB compared with 75,000 pounds in August. Requests for moth repellent were denied except for small quantities to relieve hardship circumstances.

Glyco Opens Factory And Office in Mexico

The Glyco Products Company, Brooklyn, New York, has opened a factory and offices in Mexico City. The Mexican company, known as Productos Quimicos Glyco, S. A., is located at Cipres Num. 355, Mexico D. F., Mexico, and is under the direction of Dr. E. Rios and Dr. A. Graf, both eminent Mexican chemical engineers of considerable experience.

This company is manufacturing many of the products of the American parent company, particularly those which can be made from Mexican raw materials. They are also acting as exclusive sales agents for all the other products manufactured by the Glyco Products Company which are not, at present, being produced in Mexico.

Carbon Dioxide Output Facilities Increase Asked

OPD Washington Bureau

The Carbon Dioxide Producers Industry Advisory Committee recommended that the War Production Board grant industry permission to construct facilities to produce an additional 90,000 tons of carbon dioxide quarterly, WPB has reported. Although construction of new facilities to produce 20,000 tons of carbon dioxide per quarter has already been approved, the committee emphasized that an additional 70,000 tons would be necessary to satisfy all essential needs. The committee urged that prompt consideration be given the proposed expansion needs in view of the fact that erection of facilities requires many months.

On the basis of the current supply, the shortage will be acute by the second quarter of 1945, and will grow more critical during the Summer months. The members of the Carbon Dioxide Producers Industry Advisory Committee are:—W. A. Brown, jr., of the Liquid Carbonic Corporation, New York; George C. Cusac, of Pure Carbonic, Inc., New York; Joseph W. Kelley, jr., of the Cardox Corporation, Chicago; C. T. Longaker, of Mathieson Alkali Works, New York; R. B. Newberne, of the Gas Ice Corporation, Seattle, Wash.; L. A. Pratt, of the New England Alcohol Company, Everett, Mass., and Jerome H. Remick, jr., of Wyandotte Chemicals Corporation, Wyandotte, Mich.

Hamilton Industrial Div. Now Penna Alcohol

Effective October 1, the business now operated by the Industrial Division of A. K. Hamilton & Co., New York, will be conducted by the Pennsylvania Alcohol & Chemical Corporation, New York.

Thayer Joins Emulsol Corp.

E. S. Thayer has been appointed sales manager of the technical products division of the Emulsol Corporation, Chicago. Formerly assistant Western district sales manager of the Mathieson Alkali Works, Chicago, Mr. Thayer is a graduate in chemical engineering from the University of Michigan in 1920.

Pennsylvania Salt to Dedicate Whitemarsh Research Labs.

The Pennsylvania Salt Manufacturing Company will formally open its new Whitemarsh research laboratories at Chestnut Hill, Pa., near Philadelphia, October 4 to 7. The formal dedication will be on October 4. Leonard T. Beale, president of the company, will present the key of Whitemarsh to Dr. S. C. Ogburn, jr., manager of research and development department. C. F. Kettering, of the General Motors Corp., Research Laboratory Division, will make a short address.

During the four days of the opening, groups from various fields of science, industry and education will be invited to Whitemarsh and will be conducted through the new laboratories. Saturday will be reserved for company employees.

The Whitemarsh research laboratories have been converted from Whitemarsh Hall the stately mansion of the late Edward T. Stotesbury, which was acquired by the company for $167,000.

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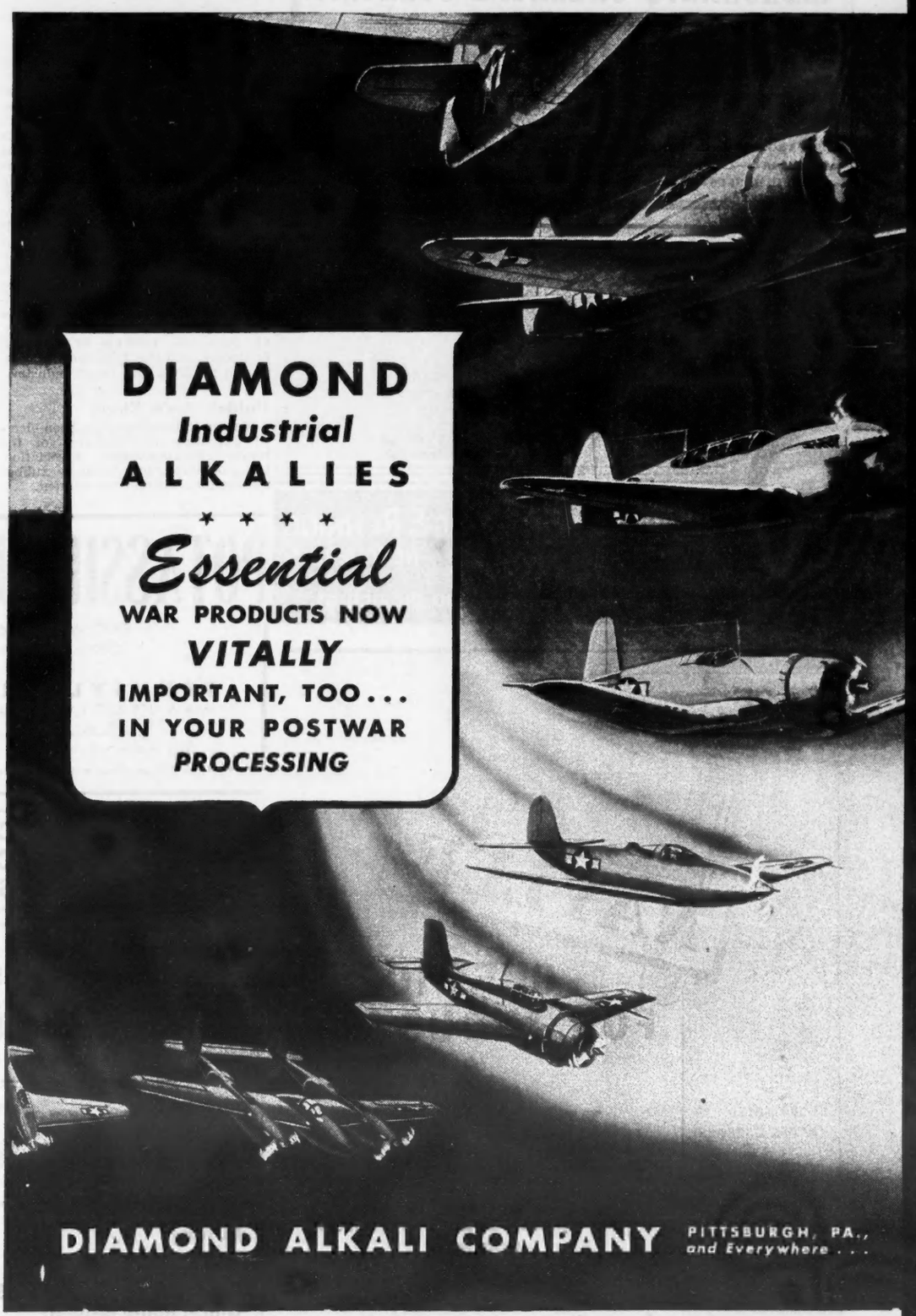

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Maclaren Heads Company Distributing Pulp, Chemicals

S. F. M. Maclaren, who severed his connection with the Hooker Electro-Chemical Company, last June, is

S.F.M. Maclaren

president of the Regent Pulp & Chemical Company, a newly formed organization with offices at 52 Vanderbilt avenue, New York 17; telephone, MUrray Hill 6-7330.

Mr. Maclaren is a native of Aberdeen, Scotland. His early schooling was got in his native town and at the Bishop Colgate grammar school in York, England. He got his B. S. degree in chemistry from Tufts College, Boston. He was with the Hooker company for ten years, starting as a research chemist. Later he was active with relation to sales of caustic soda, and at the time of his leaving the company he was assistant Eastern sales manager. He is a member of the American Chemical Society, the American Institute of Chemical Engineers, and the Technical Association of the Pulp and Paper Industry.

Rubber Ass'n Elects

Warren S. Lockwood has been elected executive vice-president of the Rubber Manufacturers' Association. Mr. Lockwood was formerly rubber attache for the State Department.

N.Y. Textile Chemists Plan Symposium Nov. 17

The New York section of the American Association of Textile Chemists and Colorists will hold a symposium on "Recent Developments in Synthetic Fibers and Their Uses on Fabrics" on November 17. The meeting place has not been determined.

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Fertilizer Materials

High producing costs have instilled a firmer tone to the superphosphate market. Reports indicate that full ceiling figures are being recognized by producers in the various selling areas. Domestic ammonia nitrate is quoted without any discount. The basic price became effective on the first of the month for both bags and bulk at shipping points. Heavy potash production has met allocations without difficulty. American soda nitrate prices have been extended through the month of October at the same level as prevailed in September. The overall situation did not uncover much in the way of new business. Mixers in most instances are taking deliveries against existing contracts and additional sales have followed chiefly routine lines.

Fertilizer factories are confronted by a labor shortage problem that seems to be getting more difficult to solve. Production of superphosphate has been aggravated by an insufficient supply of sulphuric acid, although every effort has been made to meet the expanded output program as suggested by the government. Nitrogen compounds have been heavily sold ahead with no apparent easement in supply conditions indicated.

Local trading in the nitrogenates remained seasonally quiet. Castor pomace activity was restricted more by a shortage of available material than a lack of demand. Domestic tankage and dried blood were held at ceilings with buyers' ideas somewhat below these levels. Advices regarding fish scrap and meal were more encouraging from the West than from the South and East.

Nitrogenates

Ammonia Nitrate. — No more discounts apply to domestic material. The market was estblished at the base price of $50 a ton in 100-pound bags at shipping points and at $46 a ton in bulk, same basis. The revision represents an advance of $2 a ton.

Ammonia Sulphate.—Demand active and holding contract movement steady. Deliveries broad enough to drain output, thereby preventing stock accumulations. Industrial consumer requests were granted in full for September.

Bone Meal.—Activity not extensive. Reported more feeding grade material available than fertilizer variety. Sellers held for ceiling figures with buyers somewhat under these views. War Food Administration purchased 560,000 pounds of bone and meat meal during August.

Castor Pomace.—Liberal supplies of castor oil have not encouraged increased production and regardless of heavy importations of castor beans, the supply of the by-product reaching the market has remained relatively small. Demand for pomace was sufficient to readily absorb all available material.

Dried Blood.—Not in liberal supply. No more sales for fertilizer reported. Some carlot business placed for feeders at ceiling levels.

Fish Meal.—Recent weather conditions have discouraged fishing operations. In some instances, factories have called in their boats for the season. The menhaden catch has been relatively poor in the East and the output of both scrap and meal have been below general expectations.

Hoof Meal.—Buyers have continued to find the market in exceedingly short supply. Limited production has caused considerable irregularity in stocks of available material.

Soda Nitrate.—September prices for American soda nitrate have been extended for October shipments. In order to take care of special requirements, fertilizer factories have been permitted to draw up to 25 percent of their 1944-1945 allotments, this to be charged against the total allotment for direct application.

Tankage.—Supply situation seemed a little better for domestic under a relatively quiet demand from feeders. Some material was available at the ceiling with occasional sales reported for fertilizer use. The edge seemed to be off demand temporarily.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock.—Acidulators are calling for mine shipments in as large a volume as labor and sulphuric acid conditions will permit. The supply situation was reported healthy with demand being satisfied from comfortable stocks above ground. High producing costs have been a factor contributing strength to the general market.

Superphosphate. — While reports were current that sales had been consummated slightly below ceiling figures a while ago, the market has developed a firmer tone, and it is understood that beginning October 1, the full ceiling levels have become effective. Manpower shortage and the relatively high prices paid to secure labor were the primary influences creating a stronger situation. Demand was reported steady with contract deliveries reported behind schedule in some areas.

Potashes

Maintenance of heavy production continued to supply allocations without difficulty. Recent reallocations were readily absorbed, thereby eliminating any leftover material. Mixers have called for shipments regularly, the movement being guided by WPB regulations. Labor shortages at producing points have been minimized by economical readjustments which have permitted production to register a gradual increase compared with a year ago.

Sulphur and Pyrites

Industrial demand for sulphur gave no indication of relaxing, and the movement from mines continued heavy and well up to seasonal expectations. The comfortable position of supplies has allowed demands to be satisfied promptly while the market remained firm at its well established level. No material change could be noted in Spanish pyrites, activity being restricted by the uncertain shipping conditions current at foreign supply points.

Markets at Other Centers

Atlanta, Sept. 29.—No marked increase in demand for fertilizers to be used under Fall-sown crops is reported though agricultural agencies have urged increased plantings not only as an aid to efforts to meet food needs but as an aid to livestock needs. Some increase in small grain acreage is expected, however. Seedings will continue through October in the South. Weather is favorable to harvesting peanuts which is reported progressing favorably with the aid of war prisoners. Cotton picking is reported progressing rather slowly because of labor shortage. The chief hindrance at fertilizer factories continues to be the shortage of labor.

Baltimore, Sept. 29.—Reports regarding menhaden fishing continues unsatisfactory with the weather one of the unfavorable factors. The last hurricane put the vessels out of business for the time being, although it does not appear that a great deal of damage was done. The disturbance seems to have caused the fish to disappear, and the hauls have been very small. This applies to Chesapeake Bay as well as the waters at the Virginia capes and the area off North Carolina. Moreover, it holds good of the coast of Delaware, with the fishing so poor farther North that the operating companies are disposed to end the season of activity. Grinders of meal are also doing little because of the inadequacy of the mark-up, which, according to the fishing companies, make the conversion of scrap into meal unprofitable. The scrap made is disposed of as such, about as fast as it is produced, there being no advantage in holding the ammoniate for a period on an expectation that the market might be more favorable. The ceiling on scrap remains at $1.21 per unit, with meal according to the protein content.

Chicago, Sept. 29.—With current livestock supply well controlled, the fertilizer nitrogenous materials market is not being glutted with offerings. Tone of the market in fact is steady, and buyers continue to take a rather large quantity of products readily. Blood is holding its own without difficulty. Tankage business remains quiet, but with a firm undertone. Inquiries for bone materials show little change in buyers' attitude. Dried Blood.—Principal grade, $5.53 per unit of ammonia. Tankage.—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid stick, $1.75 to $2, tankcars. Bone Materials. — Ground steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scraps, $55 to $70.

Los Angeles, Sept. 28.—Trading in organics has been relatively quiet and market attention remains focused here on the nitrogenous materials. The ammonia nitrate situation remains tight and the majority of allocations have been cut considerably. Demand for fish meal remained active but market supplies were light. Current production continued to move on contracts or allocations to regular customers. Production during the current week was fairly heavy at Monterey but light at San Francisco. Ruling prices are:—Ammonia Nitrate.—Unchanged at $65 per ton with freight allowance up to $4.40 per ton from production plant. Ammonia Phosphate.—Named at $48 per ton for 16/20 grade and $57 for 11/48 delivered California plant. Ammonia Sulphate.—$38 per ton with freight allowance up to $4.40 per ton from California plant. Canadian material on same basis. Blood Meal.—Quoted $5.53 per unit of ammonia, f.o.b. Los Angeles; plus $6.50 per ton grinding cost; plus bags. Bone Meal.—$45 to $48.50 per ton for steamed variety.

R.R. Hull Now WPB Nitrogen Consultant

OPD Washington Bureau

R. R. Hull, who was chief of the Nitrogen Unit of the Chemicals Bureau, WPB, has resigned and is now a consultant to the bureau on fertilizer problems. Mr. Hull is returning to R. R. Thomas & Son, Company, Camden, N. J., of which he is a vice-president. Mr. Hull has been succeeded by Henry L. Taylor who joined the WPB in June, 1942. Prior to that Mr. Taylor was a broker in the fertilizer business in Wilmington, N. C., since 1908.

Potash Salts Deliveries

The five major American producing companies delivered in the United States, Canada, Cuba, Puerto Rico, and Hawaii during the second quarter of 1944 a total of 321,321 tons of potash salts containing an equivalent of 174,896 tons K_2O, according to data released by the American Potash Institute.

	Short tons K_2O			
	Jan.-June, 1944	Jan.-June, 1943	April-June, 1944	April-June, 1943
Muriate	290,423	256,934	134,398	119,471
Manure salts	31,842	21,796	8,388	6,512
Sulphate and sul.pot.mag.	25,767	24,583	12,021	13,328
Total agricultural	348,032	303,313	154,802	139,311
Chemical	41,258	39,257	20,094	21,071
Total	389,290	342,570	174,896	160,382

Cottonseed Crushings Report: August

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1, 1944, through August 31, as compared with the preceding period, according to the Census Bureau, were as follows:—

Cottonseed

	Tons 1944	Tons 1943
Receipts[1]	162,772	394,420
Crushed	99,695	133,073
On hand August 31.	181,778	351,683

Crude Oil

	Pounds 1944	Pounds 1943
Produced	29,762,000	40,102,000
Shipped	26,148,000	28,827,000
On hand August 31.	[2]29,589,000	33,329,000

Refined Oil

	Pounds 1944	Pounds 1943
Produced	[3]30,720,000	28,009,000
Shipped	.....	.....
On hand August 31.	183,448,000	139,153,000

Cake and Meal

	Tons 1944	Tons 1943
Produced	44,334	59,141
Shipped	41,757	48,462
On hand August 31.	30,353	29,221

Hulls

	Tons 1944	Tons 1943
Produced	23,589	31,771
Shipped	20,666	24,467
On hand August 31.	17,600	19,268

Linters

	Bales 1944	Bales 1943
Produced	[4]29,321	39,785
Shipped	47,945	63,951
On hand August 31.	[4]44,435	111,761

[1] Does not include 118,701 and 90,336 tons on hand August 1, 1944 and 1943, respectively, nor 2,690 and 8,303 tons reshipped during the seasons 1944-45 and 1943-44.

[2] Includes 18,695,000 and 12,549,000 pounds held by refining and manufacturing establishments and 2,644,000 and 4,579,000 pounds in transit to refiners and consumers August 1, 1944, and August 31, 1944, respectively.

[3] Produced from 33,257,000 pounds of crude oil.

[4] Total linters produced includes 5,956 bales first cut, 1,591 bales second cut, and 1,774 bales mill run. Total held includes 17,363 bales first cut, 22,966 bales second cut, and 4,106 bales mill run.

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For Current prices see alphabetical listing beginning on page 9.

BARRETT

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TAR ACID OILS

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The Barrett Company, Ltd., 5551 St. Hubert St., Montreal, Que.

Barrett

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Coaltar Chemicals

Production of some of the basic coaltar chemicals was insufficient to satisfy consuming demand during the month of September. It looked as though allocations had exceeded output of such products as benzol, toluol and xylol. This condition was fully reflected in the shortage of material available and left the buying situation definitely tight. Continued heavy withdrawals of the basic items for military use were primarily responsible for the short civilian supply and there was nothing in the outlook suggestive of improvement for the immediate future. The government has taken what it wants and the remainder has been split up for essential requirements as equitably as possible. The cuts in phenol and cresylic acid did not appear to be quite as deep as those in other branches of the basic division, although there was no apparent easement from the former tight positions.

Backed by a strong basic situation and confronted by restrictions and regulations, there was not much that could be construed as favorable in regard to the available supply in most of the acids, colors and intermediates. In reference to the latter, at least two exceptions might be cited in catechol and resorcinol. These items were reported in comfortable supply with no shortage anticipated over the final quarter.

Steel operations for the week beginning September 25 were scheduled at 95.1 percent of ingot capacity, compared with 95.3 percent (revised) for the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 96.7 percent. The current schedule is equivalent to a production of 1,710,000 net tons of ingots and castings for the week, compared with 1,756.900 tons for the same week in 1943.

Basic Products

Benzene.—Not relieved from a critical position. Demand has exceeded the production limit and deliveries in some instances have been forced behind schedule. Military requirements are reported to be getting their share, which seemed to about the best that could be noted regarding the general situation.

Coaltar.—Essential specific requirements were satisfied during September. Permission was granted by WPB for fuel relief in localities where other fuel material was not available. It was officially reported that approximately 10,000,000 gallons of crude coaltar is currently being burned monthly.

Creosote Oil.—While demand had a tendency to broaden slightly, the supply augmented to some extent by formeeting requirements. Absence of imported material has left deliveries entirely to domestic producers.

Cresylic Acid.—Not enough of material to satisfy demand in full. Supply augmented to some extend by foreign arrivals. Inquiry for use in plastics and in the manufacture of tricresyl phosphate continued heavy.

Naphthalene.—No easement in demand or supply. Shipments for the manufacture of dyes and intermediates for September amounted to 791,000 pounds compared with 573,000 pounds in August. Agricultural insecticides were given 110,000 pounds against 75,000 pounds in August. Only small quantities for moth repellent use, covering hardship cases, were allotted during September, against a 42 percent request total for August.

Phenol.—Reported in somewhat better supply position than some of the other basic products. Chemical manufacturers continued among the largest consumers. September allocations to this classification amounted to 488,884 pounds, compared with 623,000 pounds in August. Disinfectants and insecticides were allocated 208,495 pounds in September against 164,000 pounds for the preceding month. Chlorinated phenol was granted 82 percent of requests compared with 84 percent in August.

Pyridine.—Buying conditions reported tight. Most of the September requests for use in sulfa drugs, medicinals and vitamins were granted. Some material was also permitted for requirements in the dye, disinfectant and rubber industries.

Toluene.—Continued heavy withdrawals for war production industries have curbed the amount of material available fo other uses. The market was reported in a definitely tight position. Demand has exceeded the limit of production, and there appeared to be no indication of relief to the supply situation in the near future. Dyes and intermediates were allocated 15,600 gallons in September against 6,353 gallons in August.

Xylene.—September allocation for protective coatings was 1,084,637 gallons compared with 1,283,754 gallons in August. Blends under regulation M-150 were allowed 303,434 gallons against 612,895 gallons in August. Dyes and intermediates were allocated 13,942 gallons compared with 29,150 gallons in August.

Chicago, Sept. 29.—Orders for coaltar bases are fully up to expectations in volume, with a generally firm tone prevailing in current business. Benzol continued to be subjected to a good rate of buying. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—Production has been able to take care of essential requirements and that is about all. Difficulty in securing basic materials is reported to have kept output at a relatively low level. The market was quoted firm with a tendency to tighten.

Cyclohexanol.—Shipments for use in war production combined with other essential requirements are absorbing production and keeping the market in a tight position. Short stocks of basic products and labor shortages have made it difficult to expand output at the present time.

Coaltar Acids

Anthranilic.—Production limited by shortage of basic materials. Essential requirements are reported to have taken about all the stocks available.

Cleve's.—Demand confined to regular consumers who are calling for deliveries against standing contracts. Production necessarily restricted through shortage of manpower and difficulty in securing basic materials.

Fumaric.—Producers received 100,000 pounds of maleic acid in September against 40,000 pounds of maleic anhydride for the preceding month. Demand was reported active with output moving rapidly into regular consuming channels.

Gamma.—Reported in limited supply. Production needed to meet contract schedules without leaving much in the way of reserve inventories.

Maleic.—WPB granted full requests for requirements in the rubber and cellophane industries and also for use in the manufacture of fumaric acid.

Salicylic, Technical.—Tight position of benzine reflected in curbed production of this acid. Suppliers satisfying wants considered most essential.

Other Intermediates

Anilin.—Inability to secure sufficient quantities of benzene was responsible for curbing production of anilin oil throughout the past month. Demand was greater than the available supply and substantial amounts of inventory stock were called upon to assist in satisfying requirements. The September allotment for use in the manufacture of rubber chemicals was 3,034,000 pounds, compared with 3,400,000 pounds in August. Plastics and resins were given 94,000 pounds

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129. 2	129.2

For Current prices see alphabetical listing beginning on page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Sept. 23, indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	38,225,635
Benzol	gals.	3,749,983
Coaltar	gals.	14,647,031
Creosote oil	gals.	774,190
Naphthalene	lbs.	1,633,058
Phenol	lbs.	217,741
Toluol	gals.	749,997
Xylol	gals.	169,354

against 173,000 pounds for the preceding month. WPB stated that the allocation of anilin salt has been discontinued. Manpower shortage and a decline in export orders during September were reflected in a shrinkage of inquiries. Fur dyers and textile printing plants were allowed about 75 percent of their requests last month.

Benzaldehyde, Technical. — WPB pulled the strings on this material and shut off all civilian requirements for September. Production was taken entirely for military use.

Diethylanilin.—Anilin shortage held production at a low level. Market maintained its tight position with no apparent easement in sight for immediate future.

Dinitrobenzene.—Stocks short owing to restricted production brought about by the tight position of basic material.

Dinitrophenol.—Possibly in a little better position than some of the other intermediates owing to its phenol base but in short supply for immediate or nearby shipments.

Phthalic Anhydride.—Total requests for this material for the month of September totaled 12,276,139 pounds compared with 11,725,997 pounds in August. Alkyd resins requests were granted 70 percent against 62 percent in August. Miscellaneous resins were given 80 percent against 60 percent in August. Rubber was granted 73 percent compared with 50 percent for the preceding month.

Resorcinol.—Prices have been firmly sustained at former levels. Unlike other intermediates, the supply situation has remained adequate to meet

—Continued on page 46

Chemical Allocations

—Continued from page 5

The use of the metal for the manufacture of sodium cyanide was reduced 15 percent; for the manufacture of ethyl acetoacetate, 20 percent; for tartrazine dye, 50 percent, and indigo, 50 percent. It has also been necessary to temporarily reduce inventory somewhat in order to supply the demand. It is anticipated that this overall situation will improve within the next three or four months.

Nitrogen Compounds. — Available supplies of nitrogen compounds for agricultural use have steadily declined as military demands increase. No complete relief is in sight so long as military demands remain at their present level.

Phthalic Alkyd Resins.—Either grade I or grade II formulation may be supplied on specification 3-173, 3-174, 3-175A on all allocations:—Grade I is limited to 31.5 percent phthalic anhydride on resin solids in paint. Grade II is limited to 16 percent by Direction 2 to M-139.

Prussiates.—Potassium-sodium ferri cyanide at the present time is not in sufficient supply to meet all non-military requirements. For many uses this double salt can be used instead of the very critical potassium ferri cyanide. The shortage of potassium ferri cyanide is acute. Requirements are greatly in excess of production. The demand for potassium ferro cyanide continues excessively heavy. These requirements cannot be met with existing facilities.

Toluene.—Initial September allocation was made as follows:—Zinc chromate primer, none; misc. protective coatings, 6,675 gallons; ammunition lacquer coatings, 50 gallons; food container coatings, 21,600 gallons; cable lacquer, 96,606 gallons; aircraft coatings, 400 gallons; dyes and dye intermediates, 15,600 gallons; misc. solvents, 60,452 gallons; neoprene solvents, 11,018 gallons; cleaning, none; food preservatives, 1,312 gallons; medicinals, 20,212 gallons; adhesives, 29,998 gallons; blends controlled by M-150, 10,000 gallons.

Xylene.—Initial September allocation was made as follows:—Protective coatings, 1,084,637 gallons; blends controlled by M-150, 303,434 gallons; cleaning, 21,559 gallons; dyes and dye intermediates, 13,942 gallons; medicinals, 5,782 gallons; adhesives, 38,809 gallons; printing ink, 25,578 gallons; laboratory and research, 7,308 gallons.

Obituaries

Nathan S. Beekley

Nathan S. Beekley, manager of the Graphic arts division of Merck & Co., Rahway, N. J., died unexpectedly September 26 at his home in Westfield, N. J. Mr. Beekley entered the employ of the Powers-Weightman-Rosengarten Co. of Philadelphia November 20, 1907, and was made manager of the graphic arts division following the merger of that company with Merck & Co.

Surviving are his wife, Anna Belle Reeves, and a son, Major N. S. Beekley, jr., of the U. S. Army, stationed at Myrtle Beach, S. C.

Charles G. Black

Charles G. Black, one-time vice-president and a director of the parent Standard Oil Company of New Jersey and for five years president of the subsidiary and successor company bearing the same name, who had been retired and residing in recent years in Sarasota, Fla., died September 28 in New York. He was seventy-six years of age.

Mrs. Natalie Nevins Butler, widow of George P. Butler, salesman for E. R. Squibb & Son, drug manufacturer, New York, died September 13 in White Plains, N. Y. She was seventy-five years of age.

William Chester Chaloner, sr., manager of the finance division of the marine department of the Standard Oil Company of New Jersey, died September 23 in Plainfield, N. J. He was sixty-one years of age.

George F. Collins, in charge of production at the Chicago branch of the Muralo Company, died September 21.

Robert DuBois, associate professor of chemistry at Fresno State College, Fresno, Calif., died September 20. He was forty-six years of age.

Robert G. Guthrie, for twenty-four years chief metallurgist for the Peoples Gas Light and Coke Company, died September 21. He was forty-eight years of age.

Donald Adam MacArthur, assistant manager of sales, of the Pacific division of the American Can Company, San Francisco, Calif., died September 16. He was fifty-nine years of age.

J. T. Schorch, former secretary of the Robinson Pettet Drug Company, prior to its merger with McKesson & Robbins, Inc., died September 13. He was eighty-four years of age.

Minor Culver Smith, former treasurer of the C. A. Woolsey Paint & Color Company, New York, died in Short Hills, N. J., September 15. He was seventy-six years of age.

S. R. Zimmerman, vice-president of Raybestos-Manhattan, Inc., died September 18 in Lancaster, Pa., at the age of sixty-five years. He was a graduate of Franklin and Marshall College and vice-president of its trustees.

Glass Containers Use Control Is Relaxed

OPD Washington Bureau

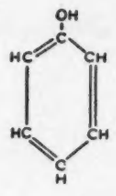
Control over the use of glass containers has been relaxed substantially through an amendment of quota order L-103-b, the War Production Board has announced.

The few foods for human consumption previously limited in glass container use now appear in the "unlimited" column. Chemicals have been added to the "unlimited" list, while quotas on all other products have been increased by approximately 30 percent. Undecorated bottle crowns, made from reject metal, are no longer under quota. Of home canning closures, only the two-piece metal type continues under restrictions. All jars for home canning are now unrestricted.

More freedom in the use of glass containers and closures is given to the small packer, previously exempt from L-103-b only if his annual glass container and closure purchases amounted to no more than $2,500. This exemption figure has been increased to $5,000. Larger or controlled users of glass containers are permitted—for each packing plant—an annual $5,000 quota of containers and closures to be used for products other than those for which they have quotas. This relaxation of rules for glass container use in no way alters the Glass Containers Standardization Order, L-102, WPB

KOPPERS

Natural **Phenol**



Koppers' entire production of phenol is derived from the natural tar acids present in coal tar from by-product coke ovens. Because it is associated with cresols and xylenols, as it occurs in coal tar, its composition can be adjusted to contain varying amounts of these other tar acids for processes which require blended acids. Koppers Phenol is available not only with melting points of 39°C. and 40°C., but also as 90% Phenol with about 10% ortho cresol, and as 82% Phenol with 2% to 3% meta-para cresol and the remainder ortho cresol. All blends of phenol and cresol required by industry are offered by Koppers. Samples gladly furnished upon request.—Koppers Company, Tar and Chemical Division, Pittsburgh 19, Pennsylvania.

KOPPERS

The Industry that serves all industry

Coaltar Chemicals

—*Continued from page 45*

requirements. It was reported that demand might be described as normal under existing conditions.

Coaltar Colors

Owing to current restrictions and difficulty in securing basic dyes and intermediates, production has not been able to expand. Probably the major part of output is being absorbed for government requirements. Sales for civilian use have been made in compliance with dyestuff regulations, the demand at present being somewhat in excess of material available. The textile, paper and leather industries were represented in the week's movement with some certified colors taken for food.

Dr. Lenker Ass't Manager Of duPont Dye Works

Dr. Samuel Lenher has been made assistant manager of the Chambers works of E. I. du Pont de Nemours & Co., Wilmington, Del. Dr. Lenher succeeds R. J. Goodrich, who has been appointed works manager. Dr. Lenher, who is thirty-nine, was born at Madison, Wis. He received a bachelor of arts degree from the University of Wisconsin and a Ph.D. degree from the University College, London, England. From 1927 through 1928, he did research work in physical chemistry at the University of Berlin and the University of California. He first became assocnated with the du Pont Company in 1929.

Schlueter to Handle Intermediates for WPB

OPD Washington Bureau

L. A. Schlueter, Kearny, N. J., has been appointed acting chief of the Aromatics and Intermediates Branch of the Chemicals Bureau of the War Production Board. He succeeds Dr. Walter Runge, Reading Pa.

Mr. Schlueter has been with WPB since October, 1941. He was formerly a production engineer with the White Tar Company of New Jersey, Kearny. Dr. Runge was appointed to WPB in July, 1942. He became acting chief of the branch of the Chemicals Bureau in July, 1942. Before coming to the board, he was president of Lasson & Co., an export firm, New York.

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Protective Coatings Materials

Despite all the still existing handicaps of inadequate manpower and drastic restrictions on the use of numerous materials required in paint, varnish and lacquer making, leaders in the protective coatings industry are intensifying their efforts to build up civilian business to sufficient proportions to compensate for the inevitable heavy cutback in war production orders which already impends and which will be carried out on a huge scale with the conclusion of the war in Europe.

Generally speaking, the industry views with some measure of equanimity the vision of the impending fall of this sword of Damocles, presented most vividly this past week, by the announcement of additional steps taken by the Office of Contract Settlement toward swifter termination of war contracts through the issuance of general regulation No. 3 providing for settlement agreements between the government contracting agency and war contractors "in advance of actual termination" of the European conflict. For both importers and domestic manufacturers in the paint trade are convinced of their ability to secure more than enough coating orders and contracts for a gargantuan amount of new private constructions to make up for any and all terminations of war orders, provided that all, or at least most of the seriously deterrent, war conservation controls and restrictions on foreign and domestic materials are simultaneously lifted, together with a release of the still extensively conscripted manpower.

A fact-finding organization for the construction industry has already reported that the backlog of construction projects, awaiting the relaxation of such controls, exceeds fully $10,500,000,000.

Easing government control on imports of several paint materials, the War Production Board has announced, this past week, the lifting of such control from shellac, talc, China clay, kyanite and sillimanite while imposing a limitation on the importation of balata.

The paint trade has also felt relieved to learn that the ban recently placed on northbound shipping in American bottoms from Argentina is not likely to curtail the importation of linseed oil and casein from that country and will not cause any contraction of allocations by WPB in these commodities to the American industry.

Metallic Lead and Zinc

As the supply situation in metallic lead continues comfortable with production and imports still reaching proportions sufficient for all war and most private industrial requirements, manufacturers of lead pigments are having no difficulty in obtaining all the pig lead they need in their current operations. Prices for pig lead have remained unchanged for the week September 22-29 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Nothwithstanding a steady amplification of output and a slight improvement in inventories, slab zinc is still in insufficient supply to meet all requirements, with the result that WPB continues to restrict its use to those holding priorities.

Production of zinc slabs for July has amounted to 1,887 short tons, compared with 1,879 tons for June. Producers' inventories at the close of July have shown a gain from 217,671 to 225,188 short tons while consumers' stocks at the end of July have exhibited a rise from 75,823 to 76,135 short tons.

By the terms of an OPA ruling issued last week, sellers of primary slab zinc may add an amount not in excess of 20 cents per net ton to their maximum base price when, at the request of buyers, they load the zinc in railroad cars in such a manner as to facilitate their unloading by mechanical lift trucks. Quotations on zinc slabs have continued unaltered for the week September 22-29 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

Rosin, gum, I, K, M, 1c. to 7c. per 100 lbs.

Prices Reduced

Triacetin, dms., works, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Pigments

Blue Lead. — Continues moving steadily into consuming channels with producers fast catching up on deliveries. Prices strongly maintained.

Zinc Oxide.—A short supply situation still prevails in lead-free grades, which continue under strict allocation control, and also in leaded grades. Production of zinc oxide for July has shown an increase of 6 percent, from 17,593 short tons for June to 18,644 tons. Stocks at the close of July have registered an increase from 13,619 to 13,838 short tons.

Fillers and Extenders

Asbestos.—Both Canadian and domestic materials are moving steadily into consuming channels, with prices well maintained. Arrival of 485 bags is noted. WPB's New York Regional Redistribution Division is offering, among its concluding proffers of idle or surplus stocks, 1,000 pounds of asbestos shorts.

China Clay.—Government import control has been lifted from this material as of October 1 by its removal from list III of general imports order M-63. The movement of both imported and domestic types of kaolin continues fairly active. WPB's Regional Redistribution Division is offering, among its concluding proffers, 7,000 tons of English kaolin powder.

Talc.—All grades of ordinary talc and steatite—a refined form of magnesium silicate—have been freed of government import control, as of October 1, by their removal from list III of general imports order M-63. A routine demand for both types continues to be noted, with prices firmly held throughout the list.

A California producer has been authorized by OPA to increase its maximum prices for talc from a geographic range of $17.50 to $25.50 per ton at plant to jobbers and $19 to $27 to consumers to $21.95 to $35.50 and $25.05 to $36.70, respectively.

Dry and Chemical Colors

Carbon Black.—As it has so far been impossible to check the inroads on inventories of channel blacks currently made by the manufacturers of synthetic rubber tires, even with the present strict enforcement of the recently imposed restrictions on the quantities of rubber-making grades which they are permitted to buy, stocks on hand are still diminishing. However, with a further increase in production now under way, it is expected that inventories of channel blacks will prove sufficiently large to meet all requirements. The paint trade continues to buy moderately of the channel grades not embraced in the restricted list.

Cadmium Colors.—Market for these colors is still at a standstill, because of restrictions on the use of cadmium. WBP's New York Regional Restribution Division is offering among its concluding proffers 2,000 pounds of cadmium sulpha selenite (maroon-lithopones).

Driers and Flatteners

Tallates.—As these driers are still procurable by the paint trade without restrictions, they are moving in steadily increasing volume into consuming channels whose applications for allotments of naphthenates are being currently denied.

Stearates.—Continue in keen demand and being absorbed in increasing quantities by the paint indus-

For Current prices see alphabetical listing beginning on page 9.

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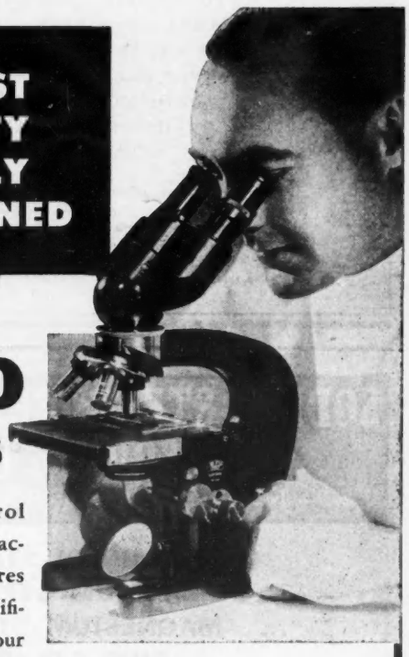

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try which deems these materials admirably fitted for flatteners. Prices are still being firmly maintained throughout the list.

Lacquer Materials

Ethyl Acetate.—Tension in the supply situation in this product has been relieved slightly of late, as its use in pharmacals making has slackened but the market, as a whole, is still far from easy.

Methyl Acetate. — Still eagerly sought by the paint trade as an efficient alternate for ethyl acetate and ethyl alcohol, although somewhat speedier in action as a solvent than these two materials, this product is becoming less readily available; in fact, is now in decidedly reduced supply, and even more difficult for the trade to procure than ethyl acetate.

Synthetic Resins

Triacetin.—One manufacturer of this material has lowered its price by 2 cents per pound to a basis of 28 cents, f.o.b. works, but others continue to hold out for 30 cents and even up to 34 cents per pound at works.

Urea Formaldehyde.—WPB's New York Regional Redistribution Division, whose activities as a redistributor of idle or surplus materials have been discontinued as of September 30, has proffered for resale, as one of its final offerings of such materials a lot of 1,200 pounds of urea formaldehyde.

Vinyl Polymers. — In conformity with its policy of bringing all chemicals and allied products under the framework of a single order, the War Production Board has transferred control of vinyl polymers from conservation order M-10 to its general chemicals order, M-300, simultaneously revoking the provisions of order M-10. By the terms of the new schedule governing vinyl polymers, known as schedule 54 of order M-300, the small order exemption of these polymers for experimental use has been raised from 50 to 200 pounds, albeit for other enduses, this small order exemption remains at 50 pounds.

A list of synthetic resins, with current quotations, appears in this issue of OPD, beginning on page 32.

Naval Stores

A notable upward readjustment of prices of gum rosin to the levels fixed in the permanent ceilings has featured the naval stores market within the past week. With fully sixty percent of the season's gatherings already procured and with estimates on the probable consumptive needs for the entire season reaching an aggregate fully equal to all that has so far been procured and all that is well calculated to be obtained during the remainder of the gathering season, the statistical situation has become so strong as to induce traders on the Savannah Exchange to bid up prices for all grades as far as they have been permitted. And, having reached these ceilings, prices for gum rosin have continued there throughout the week.

Turpentine, having eased off from its recent peak to a level only a half cent above the CCC parity, has been temporarily stabilized around that figure, with all offerings snapped up, daily.

Locally, only a modest business has been done this past week, in either turpentine or rosin, for either export of domestic consumption.

Purchases of naval stores reported by the War Food Administration for lend-lease, territorial emergency, Red Cross and other purposes for the month of July have shown 725,500 gallons of turpentine, 33,600 gallons of tarene and 22,300 gallons of rosin oil taken up by that agency in that month. For the first eight months of this year, WFA's purchases for the above-described purposes have aggregated 1,140,200 gallons of turpentine, 29,363,280 gallons of gum rosin, 45,100 gallons of rosin oil and 67,100 gallons of tarene. An initial 1944 purchase of retorted pine tar, amounting to 48,500 gallons, is also reported as having been made by WFA in July.

Turpentine. — A strong undertone has characterized the market for gum turpentine throughout the past week, as the CCC holdings have continued to be drawn down, and the current and prospective supply has appeared none too plentiful. All offerings have been absorbed in their entirety, each trading day on the Savannah Exchange, and purchasing outside the exchange has also been spirited. On the exchange, the price has held firm around 78½c. per gallon, only a half cent above the CCC parity.

Savannah, Sept. 29.—Following is a record of the market for the week:—

	Bulk gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Monday ..	78½	3,900	33	236	28,202
Tuesday ..	78½	1,600	53	212	28,043
Wednesday.	78½	3,600	78	...	28,121
Thursday..	78½	250	41	88	28,074
Friday ...	78½	2,300	28	266	27,836

Rosin.—Believing that the statistical situation amply warrants still higher price ceilings than those established by the Office of Price Administration in the permanent maximum price schedule, belatedly issued September 19, traders on the Savannah Exchange ran prices of all grades of gum rosin upward to the limits of these maximum allowable levels at the outset of last week and held them at these levels throughout the remainder of the week. Meanwhile, the Paint, Varnish and Lacquer Industry Advisory Committee, at a meeting in Washington, has estimated the total rosin requirements for the entire country during the crop year from April 1, 1944, to March 31, 1945, at 2,400,000 barrels, and the probable total production for this crop year at around 2,500,000 barrels, of which stocks on hand April 1 have constituted 900,000 barrels, while the estimated yield from this time on to the end of the season is figured at 600,000 barrels.

Savannah, Sept. 29.—Following is a record of the market for the week:—

	Price per unit— Low of range quoted Mon.	Tues.	Wed.	Thurs.	Fri.
B	$4.81	$4.81	$4.81	$4.81	$4.81
D	4.88	4.88	4.88	4.88	4.88
E	5.41	5.41	5.41	5.41	5.41
F	5.51	5.51	5.51	5.51	5.51
G	5.55	5.55	5.55	5.55	5.55
H	5.57	5.57	5.57	5.57	5.57
I	5.57	5.57	5.57	5.57	5.57
K	5.61	5.61	5.61	5.61	5.61
M	5.63	5.63	5.63	5.63	5.63
N	5.79	5.79	5.79	5.79	5.79
WG	6.04	6.04	6.04	6.04	6.04
WW	6.31	6.31	6.31	6.31	6.31
X	6.31	6.31	6.31	6.31	6.31
	Drums—				
Sales	...	310	328	...	...
Receipts ..	136	245	239	228	189
Shipments..	98	200	100	375	200
Stocks	18,382	18,427	18,566	18,414	18,403

Varnish Gums

Balata. — Import restrictions have been imposed upon this non-elastic gum, brought into this country heretofore mainly from Brazil under a public purchase program of the Rubber Development Corporation, a RFC subsidiary, by its addition to list III of the general imports order M-63.

Copal.—Local stocks of Congo copal are greatly reduced, without much likelihood of being substantially replenished for some time to come, although the War Production Board has already arranged for the allotment by the Combined Raw Materials Board to American importers of 3,000 tons of this natural resin for the second half of this year and is requesting that board to allocate 5,000 tons additional for next year, as the scarcity of cargo space at the source country ports is making it difficult to arrange for shipments of considerable quantities, even after licenses have been granted. Meanwhile, varnish makers and manufacturers of resin emulsion paints continue to pull down the supplies here still further with their steady purchasing.

Shellac.—Formal announcement by the War Production Board of the long-anticipated freeing of shellac importation from government control and its return to private trade interests as of October 1, through an amendment made to general imports order M-63, has constituted the principal development in this market within the week. The amendment thus effected by WPB in M-63 has removed from list I all seed, button and stick lac, and from list II all manner of both unbleached and bleached shellac. More liberal additions from the 1944 Bysacki crop lac, specially suited for the production of white and orange cut shellac, have been made by the government authorities, of late, even outside the Defense Supplies Corporation's stockpile, and these latest importations are being availed of by the trade on a steadily increasing scale. How much of these grades will be brought in by the importers themselves, now that government control of imports has been removed, remains to be seen.

Exports of shellac from Calcutta for the five months ended May 31, 1944, as compared with those for the corresponding periods of 1943 and 1942, are shown below:—

	Packages— 1944	1943	1942
Orange	88,245	30,061	104,311
Garnet	2,135	1,388	1,799
Button	4,612	434	4,131
Seed	16,148	3,037	52,066
Totals	111,140	34,920	162,307

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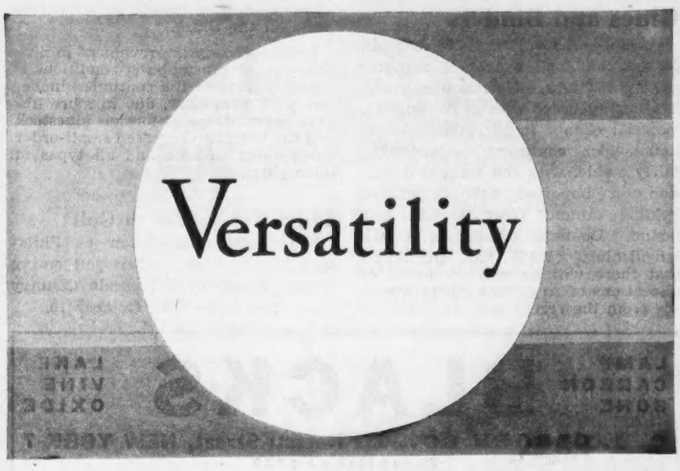

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Glues and Binders

Casein.—Arrival of 7,303 bagfuls, with a combined weight of approximately 482 tons, of Argentine casein has been recorded without causing any material change in the market situation, which continues quiet though fairly stable, with the current quotation on imported acid-precipitated holding around 17½c. to 18c. per pound. Domestic production is still languishing. WPB has announced that there will be no curtailment of allocations of Argentine casein resulting from the recent ban on American ships picking up freight at Argentine ports for the U.S.A.

Glues.—Steady improvement in production and consumption conditions is noted, outside of the continued inadequacy of manpower, due to more liberal importations of foreign gluestock and the recently increased small-order exemptions on hide and all types of bone glues.

Phila. Oil Trades to Golf

Oil Trades Association of Philadelphia will hold its Fall golf outing at the Frankford-Torresdale Country Club, Torresdale, Pa., October 10.

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Flax, Casein Ban

—Continued from page 3

industry was advised that it would have to accept a reduction in allotments, either during the fourth quarter or in the first quarter of next year.

It had been proposed to the industry by WFA that it either accept a cut from 70 percent to 60 percent for each of the next two quarters, or continue at the 70 percent allotment this year and face a reduction to 50 percent in the first quarter of next year. The industry had indicated that it would take its chances on 1945 allotments, and was desirous that the 70 percent allocation be continued during the fourth quarter.

Fish Oils Urged for Paint

Officials of the War Food Administration feel that the new shipping development and the possibility of its resulting in reduced amounts of linseed oil reaching the United States from Argentina are added reasons for conservation of linseed oil by the paint industry by the substitution of fish oils. Officials feel that the price differential between fish oils and linseed oil is of itself a strong inducement to the industry to substitute, and they add that there is no problem of supplies of fish oils since soapmakers are going back to the use of tallow.

The ban on American vessels stopping at Argentine ports on their northbound voyages is interpreted as one of a series of moves on the part of the United States government to bring economic pressure to bear on the South American republic because of the aid which the Farrell government has extended to the axis. It was coupled with an order from the Department of State to the Foreign Economic Administration to restrict export licenses to Argentina to a minimum.

Chemical Exports Blocked

Export licenses to Argentina have been held down for about a year. The newest order, it is reported, reduces exports which can go to Argentina to those necessary for public health and to maintain essential services. The order is expected to affect chiefly chemicals, lumber, and iron and steel which have been the principal items purchased from the United States by Argentina.

Neither the Department of State nor FEA will discuss the restriction order on exports, nor were any promise held out on when American bottoms again would be allowed to stop at Argentine ports to pick up shipments to the United States. The department said merely that the ban on inbound shipping from Argentina in American flag vessels was necessary because the ships were needed in other areas to meet war requirements. It added significantly, however, that "the countries contributing effectively to the prosecution of the war, of course, will continue to receive sympathetic considerations with respect to American ships for their domestic needs."

F.P.V.P.C. Program

—Continued from page 4

"Allyl Ethers of Carbohydrates," P. L. Nichols, jr., R. M. Hamilton, Lee T. Smith and E. Yanovsky, Eastern Regional Laboratory, U. S. Department of Agriculture.

"Alyll Starch Finishes," T. J. Dietz, J. E. Hansen and A. J. Lewis, Eastern Regional Laboratory, U. S. Department of Agriculture.

"Polymeric Hydrocarbons for Surface Coatings," O. C. Slotterbeck, Standard Oil Development Company.

"Tall Oil in Surface Coatings," Golden Gate Club.

"Oil Conservation," New York Club.

"The Evaluation of Various Extender Pigments in Anti-Fouling Paints," New England Club.

"Slack Melt Congo," New York Club. Election of officers.

Wednesday, October 25

Morning Session

"Acidity of Vehicles vs. Reactivity with Basic Pigments," St. Louis Club.

"The Effect of Common Organic Acids on the Viscosity of Enamels Containing Zinc Oxide," C-D-I-C Club.

"Driers," Montreal Club.

"A Comparison of East and West Coast Talcs and Mineral Spirits," Los Angeles Club.

"Procedure for Evaluating Hydrocarbons as Thinners for Coating Compositions," Philadelphia Club.

"Three to One High Solids Lacquer Test," Philadelphia Club.

"Alkali Resistance of Navy V 17 to V 21 Varnishes," Dallas Club.

"Do Varnish Films Lose Chemical and Water Resistance on Aging?" Northwestern Club.

"Notes on the Qualitative Analysis of Varnishes for Commonly Used Types of Resins," Chicago Club.

"Primers for Magnesium and Aluminum Alloys—No. 3," Golden Gate Club.

Afternoon Session

"Activities of Materials and Manufacturing Committee," V. C. Bidlack.

"Finished Products Trends," H. M. Wilcox.

"Processing Equipment," J. C. Moore.

"Production Management," E. W. Fasig.

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Oils, Fats, and Waxes

Firm conditions continued to feature the oils and fats situation during the week, irrespective of the limited volume of business transacted. Prices of all oils and fats were firmly established at ceilings. A tight supply situation existed in all animal fats, with demand larger than supplies for tallow, grease, oleo stearin, oleo oil and other animal products. All vegetable oils also were strong at ceilings. An active inquiry for new crop cottonseed oil has not brought out offerings of sizable quantities as yet, due to the delay in seed receipts at mills in the South which are operating on a part time basis, because of the labor shortage.

The action of the State Department in stopping the carrying of materials from the Argentine in American vessels beginning October 1, would not affect the importation of oils and fats to the United States from the Argentine, it was reported, due the fact that the bulk of these shipments have been arriving in Argentine bottoms.

The War Food Administration has authorized the use of 11,273 tankcars (60,000-pound capacity) of edible oils —cottonseed, peanut, soybean and corn—by refiners and shortening and margarin manufacturers during October, November and December.

The new quarterly allocation includes 4,985 tankcars of cottonseed oil; 521 tankcars of peanut oil; 4,825 tankcars of soybean oil; and 942 tankcars of corn oil. Their use is divided as follows:—(1) For the manufacture of edible finished products for civilian use under quotas prescribed in War Food Order No. 42—10,505 tankcars; (2) for the Army, Navy, Marine Corps, War Shipping Administration, Allies and WFA purchases—599 tankcars; (3) for industrial users—169 tankcars.

In the industrial oil group, rapeseed oil has been allocated for October on the same basis as for the last several months. Tung oil and wool fat have been removed from allocation.

Vegetable Oils

Coconut.—Receipts of coconut oil were reported at 1,200 tons, for delivery on prior contracts.

Peanut.—Ceiling prices for imported crude and refined peanut oil, effective September 30, were announced by the Office of Price Administration. Because the imported oil will be of the same quality as domestic oil, the prices established for the imported oil are the same as those previously announced for domestic oil.

Following prices are f.o.b. the mill, in tankcars, for crude oil and refined oil on a delivered basis in tankcars:—

	Cents per lb. for crude oil	Cents per lb. for high titre hydrog. oil
New York, N. Y.	13.50	15.78
Philadelphia, Pa.	13.46	15.76
Baltimore, Md.	13.375	15.74
Chicago, Ill.	13.50	15.71

Soybean.—An active inquiry continued for crude for delivery for the balance of the year. Offerings were scarce, as producers were said to be sold up for October-December delivery.

Purchases of soybean oil amounted to 47,320,000 pounds at the f.o.b. cost of $101,904,625 for lend-lease during August, it was announced by the War Food Administration.

Tung.—Some 358 gallons of tung oil was offered for sale by the WPB Redistribution Division, Empire State Building, New York City.

Atlanta, Sept. 27.—Slow movement of cotton to the gins accounts for limited supplies of seed for the oil mills and light offerings of crude cottonseed oil. Harvesting of the cotton crop is progressing slowly, though weather for the past week has been favorable. Delay is attributed to scarcity of labor. Harvesting of peanuts has improved due to the employment of war prisoners.

Flaxseed

Harvesting of flaxseed crop delayed by wet weather. Seed receipts light and in good demand.

Minneapolis, Sept. 27.—Seed receipts are running light and almost all of it is taken on arrive contracts. Any free seed available continues in good demand at ceiling prices. Quality of offerings is none too good because of weather damage over a wide area. Content of foreign material still is heavy.

Harvest is still delayed through northern territory and unless weather conditions improve immediately there is apt to be a further reduction in crop estimates. Movement from north territory is increasing very slowly and this week more moisture was shown in samples. A lot of late sown flax is still standing in North Dakota on account of wet and soggy fields.

Crop movement in bushels follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This wk.	840,000	2,033,500	49,500	60,000
Since Sept. 1	4,081,500	8,557,500	536,500	751,500

The week's closing flaxseed price range was as follows:—

	Cash	Sept.
Saturday	$3.10	$3.10
Monday	3.10	3.10
Tuesday	3.10	3.10
Wednesday	3.10	3.10
Thursday	3.10	3.10
Friday	3.10	3.10

Buenos Aires, Sept. 29.—Flaxseed shipments to United Kingdom were 67,000 bushels; to Continent, 157,000 bushels, and other destinations, 35,000 bushels. Visible supply was estimated at 4,724,000 bushels. Flaxseed for export was quoted at $2.26½ per bushel, U. S. funds; Rosario, $2.17⅜ per bushel.

Hull, Sept. 29.—Bombay, October, £32, nominal; Calcutta (no quotations); La Plata, October, £30, nominal.

Linseed Meal

Production of meal is sold well ahead. Demand active for prompt and forward delivery.

Minneapolis, Sept. 27.—Crushers are sold out for sixty days and have virtually nothing to sell for immediate shipment. In case a buyer wants to defer delivery for a short period some is offered but otherwise there is none.

Buyers showing active inquiry for forward delivery and will contract ahead for a full year if crushers are willing. On the other hand crushers will not sell further ahead than sixty days on account of the tight flax situation and delay in harvest.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	10,200,000	13,300,000
Since Sept. 1	41,580,000	49,600,000

Linseed Oil

Trading in linseed oil was limited to less than car lots for immediate requirements during the week, while a steady call was noted for delivery against former contracts. Consumers' oil requirements seem to be covered for the balance of the year, while interest in early next year's needs has been rather dull. Prices were firm and unchanged for raw oil at 14.7c. per pound in tankcars and tankwagons.

Seed supplies at Eastern mills were said to be dwindling rapidly and shutdowns may occur in October unless seed stocks are replenished soon. Recent arrivals of Canadian seed were not sufficient to cover oil crushers' requirements.

The banning of American ships from Argentine ports beginning October 1 was not expected to affect the seed situation. As a matter of fact no seed has been received from the Argentine in the East since last January.

War Food Administration announced the purchase of edible linseed oil totaling 40,932,500 pounds at the f.o.b. cost of $5,742,950 for lend-lease during the month of August.

Minneapolis, Sept. 27.—Late last week there was a spurt in demand from the linoleum manufacturers but trade was only moderate at best. This week there has been scattered fill-in business from linoleum manufacturers and paint mixers and the total so far has been light. There is some nibbling for new year delivery and little business has resulted. Neither buyer nor seller seem anxious to trade. No government business reported.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	9,120,000	7,760,000
Since Sept. 1	33,260,000	28,260,000

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
192.7	192.7	192.4	195.4

For Current prices see alphabetical listing beginning on page 9.

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Cottonseed Oil

Trading in futures continued slow and featureless. The open interest in cottonseed oil futures was reported by FDA as totaling 87 contracts as follows:—March, 68 contracts; May, 4; July, 11, and September, 4.

Crushers were still restricting offerings of new-crop oil. Mills in the South were operating on part time due to slow receipts of seed which have been delayed by the shortage of labor. War prisoners are employed in the picking of cotton.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
October	....	....	14.00 bid
December	....	....	13.85 bid
March	13.95	13.95	13.85-13.95
May	....	....	13.70-13.90
July	13.75	13.70	13.65-13.80
September	12.80	12.80	12.80-13.05

Total sales, 14.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12c. (all ceiling prices).

Memphis, Sept. 28.—Some scattered sales of crude cottonseed oil taking place. Most mills running part time account of labor shortage. Weather favorable for picking cotton but delayed by manpower shortage. Demand for cottonseed meal and hulls active with no selling pressure.

Cake and Meal

A ceiling price for soybean meal of a standard protein content of 44 percent and produced exclusively by the "extraction method," effective October 2, was announced by the Office of Price Administration.

The price of soybean meal of a protein content of 41 percent, and produced by any other method than the "extraction method," or by any other combination of methods, remains unchanged.

Tallow and Grease

Grease.—Scarcity of offerings continued to restrict business. Lower grades which were selling below ceilings recently were firmer and held at ceilings. All grades were in good inquiry.

Tallow.—Trading was light due to the scarcity of available supplies. Demand continued active for all grades. Prices were firm at ceilings.

Fish Oils

Cable advices from London report lower prices for crude and hardened whale oil and crude herring oil. Crude whale and herring were reduced to £36 15s. per ton in bulk, works, and hardened whale oil to £30 per ton, same basis.

Baltimore, Sept. 27.—The menhaden fishing in the Chesapeake Bay and North Carolina is reported to be very poor, and the recent weather conditions have not brought any improvement. Even the waters off the Delaware and New Jersey coasts are stated to have been apparently deserted by the schools of fish and the hauls there do not pay expenses. It is reported that the fishing companies are about ready to stop operations. Meanwhile the demand for menhaden oil has not improved. Ceiling on crude remains at 8.9c. per pound, tankcars.

Los Angeles, Sept. 26.—San Francisco reports forty cars of crude sardine oil sold at 66.75c. per gallon, and four cars moved here at 62c. per gallon. British Columbia reports 40,000 tons of pilchard landings this year to September 16 and 1,284,305 imperial gallons of oil for the same period. California Sardine Products Institute announced that 82,715 tons of sardines delivered to processing plants for northern California season to September 16, and 1,468,000 gallons of oil for the month of August, which is approximately 100,000 gallons short of the August, 1943, total.

Waxes

Trading was dull during the week. The tight shipping situation in Brazil has affected the arrival of carnauba and ouricury, with buyers waiting for supplies purchased months ago. Offerings for shipment from Brazil continued scarce and were confined to January forward positions. Interest in forward shipment was dull. Prices were firm for all varieties. Receipts of carnauba were reported some 1,499 bags, and ouricury 814 bags, for delivery on prior orders.

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Textile and Leather Chemicals

Announcement by the State Department, barring American ships from carrying materials from the Argentine to the United States, beginning October 1, was received with a great deal of uneasiness in the trade. This is expected to affect the importation of quebracho extract to this country due to the fact that 80 percent imported into the United States from Argentina was carried in American ships and 20 percent in Argentine vessels since the first of the year. Shipments are still permitted to enter the country in Argentine boats and have been arriving at Gulf ports, but this increases costs from $8 to $10 per ton for transportation from point of arrival to tanneries in the East. Estimates place stocks of quebracho extract in consumers' hands sufficient to cover needs for about six months.

Ceiling price for wattle bark, solid wattle extract, and ground, powdered and liquefied wattle extract have been increased to reflect higher prices importers of these vegetable tanning extracts must pay abroad for raw materials, the Office of Price Administration announced, effective October 2.

The adjustment in prices above those formerly in effect are as follows:—wattle bark, $3 per ton; solid wattle extract, ex dock or from warehouses for sales by importers, 37 cents per hundredweight; ground or powdered wattle extract, 45 cents per hundredweight and liquefied wattle extracts, 25 cents per hundredweight.

Chemicals

Bichromates. — Steady consuming call noted for military and civilian use. Allocations by WPB for textiles for civilian requirements during September varied depending upon essentiality of the end products with woollens and work clothes granted 80 percent and other textiles slightly less.

Prussiates.—War Production reports that supplies of potassium-sodium ferri cyanide at the present time are not sufficient to meet all non-military requirements. For many uses this double salt can be used instead of the very critical potassium ferri cyanide.

Sodium, Peroxide. — Stocks were limited and WPB recommended allocations for September on the basis off 33⅓ percent of the 1943 average monthly use.

Dyestuffs

Hematine.—Trading was moderate, but sufficient to prevent accumulations of supplies. Prices were steady.

Logwood Extract. — Demand was routine. Consumers absorbed moderate quantities for actual needs at current quotations.

Sizing Materials

Albumen, Egg. — While stocks of egg albumen were scarce and held at the higher ceilings in effect since September 25, trading was limited due to competition from frozen liquid whites which were in liberal supply and available at lower prices than the albumen.

War Food Administration announced the purchase of dried eggs, totaling 28,271,473 pounds at the f.o.b. cost of $34,749,551 for lend-lease during the month of August.

Corn, Sugar.—Tight supply situation continued to affect deliveries, which were about two months behind schedule. Demand was good. Prices were firm.

War Food Administration reported the purchase of 584,000 pounds of corn sugar at the f.o.b. cost of $28,626 for lend-lease during August.

Dextrin, Corn.—Conditions remain on a firm basis. Inquiry was active with trading restricted by the limited supply. Deliveries were still behind schedules.

Egg, Yolk.—Sales of moderate volume were noted at lower OPA price ceilings of 5 cents per pound, which became effective early last week. The call against contracts was active. Stocks of yolk were not heavy, but adequate to cover current demand.

Starch, Corn. — Steady consuming demand was absorbing the production.

For Current prices see alphabetical listing beginning on page 9.

Market Trends

Prices Advanced

Egg albumen, 16c. per lb.

Prices Reduced

Egg yolk, 5c. per lb.
Tara powder, $5 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
281.4	267.9	267.9	271.9

Inquiry continued active with little surplus material said to be available. Prices were firm.

The visible supply of corn showed a further reduction, declining 460,000 bushels to 8,582,000 bushels for the week ended September 23, according to the Chicago Board of Trade.

Purchases of corn starch totaled 11,199,500 pounds at the f.o.b. cost of $434,262 during the month of August for lend-lease was reported by the War Food Administration.

Starch, Potato.—Production will be sharply lower than last year it was reported in view of the cancellation of the government subsidy. Last year's output totaled 30,000 tons and this season's is estimated at 18,000 to 19,000 tons. Inquiry for new crop material was moderate with prices firm at ceilings.

Starch, Sweet Potato.—Supplies of new crop are expected to be available late in October. A new producing plant in construction was expected to be in operation late in November and will augment the output for this season. The ceilings for green sweet potatoes recently announced by OPA for the period September 26-November 10 was $1.90 per bushel, f.o.b. Sunset, La., minimum weight 50 pounds for green and 45 pounds for cured sweet potatoes.

Tapioca Flour. — The tight supply situation in this market continued to be noted. Stocks are light and closely held at ceilings. Replacements were scarce and recent arrivals were meager and insufficient to relieve the prevailing scarcity. Receipts were reported at 1,250 bags for delivery on prior contracts.

Tanning Materials

Divi-Divi—Supply situation has not improved during the week. Offerings for shipment from producing centers continued scarce. Consumers were manifesting a good inquiry and an active trade would develop should material be available.

Mangrove Bark.—Conditions in this market were unchanged. Scarcity of material for shipment continued with the result business was inactive. Inquiry was fairly active.

Myrobalans.—There has been a material easing in the supply situation and arrivals recently have replenished supplies in consumers hands. Shipments from primary markets also were freer. Receipts were reported totaling 3,400 bags for delivery against prior orders.

Quebracho.—The stoppage of shipments of materials from Argentina to the United States on American ships was announced by the State Department, effective October 1. This was expected to affect the arrivals of extract to the United States. It was estimated that 80 percent of the extract from Argentina has been carried in American bottoms since the beginning of the year and 20 percent in Argentine ships. Stocks of extract in this country, the bulk of which is in consumers' hands, is said to be sufficient to cover requirements for at least six months.

Tara Powder.—Slow demand for pods and powder has further weakened this market and prices were easy. Powder was reduced $5 per ton, and offered at $120 per ton for spot delivery, New York.

Wattle Bark.—Higher price ceilings were announced for wattle bark and wattle extracts by the Office of Price Administration, effective October 2. The advances in prices were as follows:—Wattle bark, $3 per ton; solid wattle extract, ex-dock or from warehouses for sale by importers, 37c. per hundredweight; ground or powdered extract, 45c. per hundredweight and liquefied extracts, 25c. per hundredweight.

Patterson Succeeds Connett As WPB Leather Director

OPD Washington Bureau

Harold Connett has resigned as director of the Leather and Shoe Division, and is succeeded by John H. Patterson, heretofore assistant director, reports J. Spencer Love, director of the Textile, Clothing and Leather Bureau of the War Production Board. Mr. Connett is returning to the Surpass Leather Company, Philadelphia, of which he is president. Mr. Patterson was dean of Middlebury College, Middlebury, Vt., prior to his joining WPB at the beginning of this year.

Textile Technologists to Meet

George Groh, manager of fabric development of the Nylon division of the E. I. du Pont de Nemours Company, Wilmington, will discuss "Nylon—New Aspects of Fabric Development," before the October 4 meeting of the American Association of Textile Technologists.

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Drugs and Fine Chemicals

Demand for drugs and fine chemicals was maintained at a volume comparing favorably with the recent movement into consumption. Distributors of products finding enlarged consumption during the Winter months showed a disposition to prepare against the needs of the coming season. Menthol was subject to price shading, demand being quiet and stocks fairly substantial. Although repackaged goods have a higher ceiling, the disposition was to offer more goods in original cases. United States-Cuban negotiations regarding further purchases of sugar and blackstrap molasses were suspended temporarily. Codliver oil importers were devoting time and study to the future of supplies. Moderate quantities of South American quinine were reported reaching this country. A government official stated that domestic prescription of codeine was too large, reporting 500,000 ounces consumed in 1943 against 250,000 in 1938. Penicillin production was reported at 200 billion units per month and government authority also said additional production was in sight.

Norwegian cod fishing starts in January and extends through May. Early liberation of Norway would mean larger production and its availability for United Nations' buyers. Defeat of Germany might also mean resumption of German oil production. Such are the supply factors that importers here are considering now in conjunction with the belief that liberation of Norway would mean heavy demand from now liberated countries who have gone without codliver oil since the German occupation of Norway.

Alcohol producers and pharmaceutical companies had an interest in the report that the need to reexamine important matters had caused the United States-Cuban commissions to suspend the negotiations concerning further purchases of blackstrap molasses and sugar.

Offerings of diacetone alcohol and propylene glycol listed in our market reports were made by the Regional Board of the War Production Board, Empire State building, New York, and sales will be made in accordance with WPB regulations governing excess and idle inventories.

Acid, Ascorbic.—The War Food Administration reported no purchases of this article in the month of August. The total bought since January 1 still stood at 5,275,552 ounces in the latest report.

Acid, Citric.—War Food Administration reports a sale of 13,860 pounds of this acid at 20½c. per pound, less 1 percent. The sale was to the food industry. Peru reports that it depends now on the United States for supplies to be consumed by the wine, soft drink, candy, and pharmaceutical industries. Italy, Germany, and Spain were her prewar suppliers.

Acid, Nicotinic.—August purchases by the War Food Administration was reported as nil. The total bought since January 1 was still 69,994 pounds.

Alcohol.—Joint negotiations between Cuban and United States commissions, involving further purchases by U. S. government agencies of sugar, invert and blackstrap molasses, and alcohol in Cuba have been held but after careful analysis of the situation and mutually helpful discussions of the various problems involved, the two commissions have agreed to suspend the discussions because certain important matters require careful re-examination in both countries. Disposition of the government-owned alcohol plants in the Middlewest is under discussion. The plants were erected in connection with the government's synthetic rubber program.

Castor Oil.—Supplies of raw material and oil appear to be plentiful. Castor beans are now quoted at $62 per long ton, f.o.b. Brazilian ports and the lower prices have encouraged a substantial sale of beans to the United States. Arrivals of beans totaled 13,396,200 pounds, bring the total since January 1 last to 208,753,740 pounds. The latter figure is now close to the 205,594,350 pounds imported during the corresponding period a year ago.

Chicago, Sept. 27.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¾c.; drums, less than car lots, 15c.; tanks, 13½c.

Codeine.—Consumption by civilians has doubled since the war began, according to the commissioner of narcotics, who says we consumed 500,000 ounces in 1943 and but 250,000 ounces in 1938. He asserts that there is "altogether too much prescribing of codeine," and indicated that other countries are able to obtain only 10 percent to 20 percent of their needs.

Codliver Oil.—With a fair stockpile of oil available for domestic consumption, it is but natural that interest should center to some extent on the future of supplies and the possibility of Norway being once more a seller to the international markets consuming oil. Fishing in Norwegian waters is in the January-May period of each year, and should the events of war bring liberation to the Norwegians before or by the end of this year, from the standpoint of supply it would be a favorable omen. The price picture after Norwegian production returns to an open market is another matter. It seems certain that the United States will face sharp buying competition from foreign countries, who for years have been short of this oil. Should Germany surrender this year, German production might also have to be reckoned with. Meanwhile, the spot price of oil is lower at $3.30 to $3.40 per gallon for U.S.P. grade. Arrivals were 955 packages.

Cocoa Butter.—Arrivals totaled 8,290 packages. All had been sold into consumption prior to arrival and, hence, values remain at ceiling levels.

Diacetone Alcohol.—WPB Regional Redistribution Division offers 6,256 pounds for sale from surplus inventories.

Fishliver Oils.—Considerable interest centers on the future of codliver oil, which is discussed above under Codliver Oil. A report of War Food Administration operations in August shows the purchase by that agency of 558,064 million units of vitamin A oil. Total purchases since January 1 have reached 13,992,868 million units. Demand for oil runs heavy and supplies remain conservative.

San Francisco, Sept. 26.—There is no improvement in the Pacific Coast supply of fish liver oils. All potencies are in active request, with special emphasis on the lower variety. Arrivals of Mexican livers are reported in fair volume only and Seattle reports no arrivals on soupfin shark carcasses for ten days ending September 21.

Glycerin.—New developments are lacking, but all information reaching producers suggests that the postwar period will be one of substantial demand for glycerin throughout the world. And it is the intention of domestic refiners to appear prominently in supplying that demand. For that reason, accumulation of a stockpile is a desired end which should keep the movement of crude to the refiners at a satisfactory level.

Chicago, Sept. 27.—Prices for glycerin are:—Chemically pure, Tankcar, 15c. per pound; drums, car lots, 15¼c.; drums, less than car lots, 15¾c.

Menthol.—The spot price has eased some, paralleling a decrease in demand for open market stocks. Some quarters have dropped below ceiling levels in varying degree and reports suggest that the price shading runs from 25c. to $1 per pound, according to operator. The ceiling being $16.50 per pound, price concessions would suggest the possibility of getting

Market Trends

Prices Advanced

None

Prices Reduced

Codliver oil, USP, 5c. per gal.
Menthol, 50c. per lb.
Sorbitol, com'l, 2¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
237.7	239.4	239.5	241.0

For Current prices see alphabetical listing beginning on page 9.

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prompt deliveries in some directions at prices ranging $15.50 to $16.25 per pound. Some consumers who previously had been reporting only limited stocks on hand now suggest that their inventories are rather substantial. The consensus is that while some holders are shading prices substantially, the other operators in the spot market are disposed to shade the ceiling 25c., while awaiting developments on new crop in Brazil. Oil in that country is produced in late November and December and begins to reach the processors in Dec.-Jan. There has been some confirmation of the view that at the present time the prospect is for 25 percent to 50 percent larger production next year. Some importers say that there are influences that may reduce the actual output in 1945. Not much 1944 menthol is believed to remain in Brazil, and Britain as well as countries other than the United States are said to be buyers there now.

Milk Powder.—Purchases made September 1 to 9 by the War Food Administration totaled 3,347,459 pounds of spray process skimmed milk powder; 4,2s1,102 pounds of roller process, and 513,000 pounds of whole milk powder. A report of August purchases by WFA gives a total of 32,112,414 pounds of roller process skimmed milk powder; 13,508,784 pounds of spray process, and 2,672,230 pounds of whole milk powder. The October set-aside is reduced to 50% of production.

Penicillin.—Present production is said to be 200 billion units per month and additional output now projected is expected eventually to care for all requirements, military and civilian, according to the Drug and Cosmetics branch of WPB.

Propylene Glycol.—WPB Regional Redistribution Division offers 1,410 pounds for sale from surplus.

Quicksilver.—The spot market was better than firm. Stocks do not accumulate here and the steady movement based on routine requirements proves sufficient to maintain prices free from competitive influences. Sellers here say offerings from the Pacific Coast are not large.

San Francisco, Sept. 26.—The quicksilver market here retains a quiet but strong tone and little spot metal is being offered. Production is reported as being off this past week. Price remains unchanged and metal quoted between $100 and $105 per flask, f.o.b. this city.

Quinine.—The chief of the Drugs and Cosmetics branch of WPB says that some quantities are now being obtained from South America as the result of the Foreign Economic Administration's development of cinchona bark in this hemisphere. He also says that "Our position on quinine is not critical, but we are not yet in a position to release quinine for civilian oral use." Peruvian cinchona tree acreage is approximately 28,000,000 acres, located on the east slope of the Andes mountains.

Sorbitol.—Producers set a new low record price at 14¾c. per pound for car lots; l.c.l., 15½c. Both at works.

Strychnine.—Brazilian requirements since 1940 have been supplied solely by the United States. England, Germany and France were the chief prewar suppliers. Consumption, as reported at Sao Paulo, has been:—Sulphate, 30 to 40 kilos per year; hypophosphite, 20 to 30 kilos; alkaloid, 4 to 8 kilos. Sulphate is used mainly as a racicide.

Armstrong Cork Names Successor to Backstrand

C. J. Backstrand, vice-president of the Armstrong Cork Company, Lancaster, Pa., will relinquish his duties as director of manufacturing operations to work with the president's office in the general administration of the company. C. F. Hawker has been elected vice-president in charge of manufacture. George A. Reinhard, jr., succeeds Mr. Hawker as chief engineer.

Breon Establishes Fellowships

Fellowships in three universities have been established by the George A. Breon & Company, manufacturing pharmaceutical chemists, as follows:—K. Kimura, University of Nebraska, School of Pharmacy, working on pharmacological investigations of certain ethanolamines. Miss Ann Ludutsky, University of Missouri, chemistry department, working on the investigation of reduced diethylstilbestrol derivatives, and to the department of internal medicine, University of Kansas Medical School, on bactericidal properties of nisulfazole; action in dysentery.

McK&R Personnel Changes Reported

W. F. Hindley has been appointed manager of the Atlanta Division of McKesson & Robbins, Inc., replacing J. H. Abercrombie, transferred to the manufacturing division at Bridgeport, Conn., as assistant sales manager in charge of vitamin products. Walter F. Rawlins has been appointed sundries buyer and J. Hulun has been appointed drug buyer at Detroit. H. J. Flowers, former buyer at this division, has resigned. The new merchandising manager at Louisville is G. A. Hennies, succeeding J. W. Gilliam, who has been transferred to New Haven as merchandising manager. Jerome C. McGehee has been appointed sales manager at the 8th Avenue Division, New York, replacing R. G. Elson, resigned.

American Can to Build Plant in St. Paul

Construction of a new manufacturing plant on a 49-acre site in St. Paul, Minn., will be started by the American Can Company as soon after the war "as labor and materials are available," Gordon H. Kellogg, vice-president, has announced. The new plant will represent an investment of about $6,500,000.

Excess Profits Tax

—Continued from page 4

terminations will be made from time to time—are:—

Agriculture and related industries.
Agricultural machinery and equipment manufacturing.
Aircraft and parts manufacturing.
Bakery products and confectionery manufacturing.
Canned food products manufacturing.
Carpets, floor coverings, etc., manufacturing.
Clothing and apparel (not knitted) manufacturing.
Electric light and power.
Electrical machinery and equipment manufacturing.
Factory machinery manufacturing.
Fertilizers manufacturing.
Knitted materials and products manufacturing.
Liquors (alcoholic) manufacturing.
Metal mining.
Motion picture producers.
Motion picture theatres.
Motor vehicles and accessories manufacturing.
National, State and private banks, savings banks, and loan and trust companies.
Nonalcoholic beverages manufacturing (soft drinks).
Office equipment manufacturing.
Paper, pulp, and products manufacturing.
Petroleum refining.
Printing and publishing and allied industries.
Radio broadcasting.
Radios and parts manufacturing.
Retail trade.
Rubber and rubber goods manufacturing (including tires and tubes).
Shipbuilding and repairing.
Silk and rayon goods manufacturing.
Stone, clay, and glass manufacturing.
Sugar manufacturing.
Telephone and telegraph.
Tobacco and products manufacturing.
Water transportation and related activities.

Shale Oil Research Set

Secretary of the Interior Harold L. Ickes has announced that the Bureau of Mines will establish an oil shale research and development laboratory at the University of Wyoming at Laramie.

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9. Acid Hydriodic Sp. Gr. 1.5 A.R.
10. Acid Iodic A.R.
11. Acid Iodic Anhydride A.R.
12. Ammonium Iodide N.F.
13. Ammonium Iodide A.R.
14. Arsenous Iodide N.F.
15. Barium Iodide
16. Cadmium Iodide
17. Cadmium Iodide A.R.
18. Calcium Iodide
19. Collodion Photo Iodizer, White Label
20. Collodion Photo Iodizer, Orange Label
21. Ethyl Iodide A.R.
22. IODEIKON* (for cholecystography)
23. Iodide Mixture (for mineral feeds)
24. Iodoform N.F. Powdered Heavy
25. Iodoform N.F. Powdered Light
26. IOFLOW* (for mineral feeds)
27. Iodophthalein Sodium U.S.P.
28. IOMAG* (for mineral feeds)
29. Iron Iodide
30. ISO-IODEIKON* (for cholecystography)
31. Lead Iodide N.F. V
32. Lithium Iodide
33. Mercury Iodide Yellow N.F.
34. Mercury Iodide Red N.F.
35. Mercury Iodide Mercuric A.R.
36. Methyl Iodide A.R.
37. Potassium Iodate
38. Potassium Iodate A.R.
39. Potassium Iodide U.S.P. Crystals
40. Potassium Iodide U.S.P. Granulated
41. Potassium Iodide U.S.P. Powdered
42. Potassium Iodide A.R. Crystals
43. Potassium Iodide A.R. Granulated
44. Potassium Iodide A.R. Neutral
45. Potassium Mercuric Iodide N.N.R.
46. Silver Iodide
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N.W.D.A. Meeting

—Continued from page 7

against which wholesale druggists have always fought, because it takes business out of legitimate trade channels.

Distribution Map

E. Allen Newcomb, secretary of the association, reporting on the organization's research in merchandising methods, told the meeting that the N.W.D.A. is completing a revised distribution map of the United States so accurate that it can be used for test sales campaigns, establishment of sales quotas and as a basis for compensation of salesmen.

The map, based on an elaborate study of the flow of goods, divides the country into thirty-six major areas which are 90 percent self contained as far as merchandising and distribution facilities are concerned. These major areas are sub-divided into eighty-four secondary areas, with latest estimates of population, drug sales and market potentials.

Low-Cost Operation

Transmitting wholesale drug orders by radio was suggested as a possibility by C. A. Loring, jr., of Gilman Bros., Inc., Boston, in discussing a survey of the wholesale drug industry which the Department of Commerce has completed. Mr. Loring said that orders might be transmitted much as artillery officers in our armed forces radio instructions.

Flexibility should be the keynote in designing the wholesale warehouse of the future, Mr. Loring said. He suggested that wholesalers investigate the possibility of prefabricated structures instead of investing in costly construction, and that whole departments be put on wheels and castors so that they could be moved as the need arose.

Fair Trade

Leo Nejelski, management counsel, urged drug manufacturers, wholesalers and retailers to strive to establish a clear definition of competition in the light of today's developments and tomorrow's needs.

So-called fair trade laws were enacted, he declared, by men who said in substance:—

As law makers, we represent the public interest, and it is our judgment that protection of property as it resides in trademark and brand names will serve the public good.

Manufacturers, wholesalers and retailers, working together, can protect Fair Trade through performance in the public interest—and they must have the facts about the operation of Fair Trade laws to prove it.

Raw Materials

Penicillin is being produced at the rate of 200 billion units per month, and additional facilities now projected will raise the country's supply to the point where it will be possible to distribute the drug to civilians through normal drug trade channels, Fred J. Stock, chief of the drug and cosmetics branch of the WPB, told the meeting.

Mr. Stock also commented that alcohol for drug products will be increased 25 percent effective October 1. Manufacturers of pharmaceuticals and proprietary medicines will receive 125 percent of their base period requirements, manufacturers of oral antiseptics and mouth washes will receive 75 percent instead of 60 percent and makers of cosmetics and hair preparations will receive 62½ percent instead of 50 percent. This increase in alcohol should help to meet the seasonal demand for cough and cold remedies, Mr. Stock said.

Mr. Stock said that some quantities of quinine are now being obtained from South America as a result of the Foreign Economic Administration's development of cinchona bark in this hemisphere. The quality of the South American bark is below that of the Far East, however, Mr. Stock said. Our position on quinine is not critical, but we are not yet in a position to release quinine for civilian oral use, he added.

Narcotic Quotas

Consumption of opiates by civilians in this country has doubled since the war began, H. J. Anslinger, Commissioner of Narcotics, declared in discussing "Why Narcotic Quotas."

In 1943, we consumed 500,000 ounces of codeine; in 1938, we used only 250,000 ounces, Mr. Anslinger said. He said that there is "altogether too much prescribing of codeine," and pointed out that other countries are able to obtain only 10 to 20 percent of their codeine needs.

Discussing the world narcotic picture, Mr. Anslinger said that narcotic treaties have been observed generally in spite of the war. Control of narcotics in Europe is being actively undertaken by the Army, he revealed.

Mr. Anslinger praised the recent Congressional resolution calling on the nations of the world to limit the

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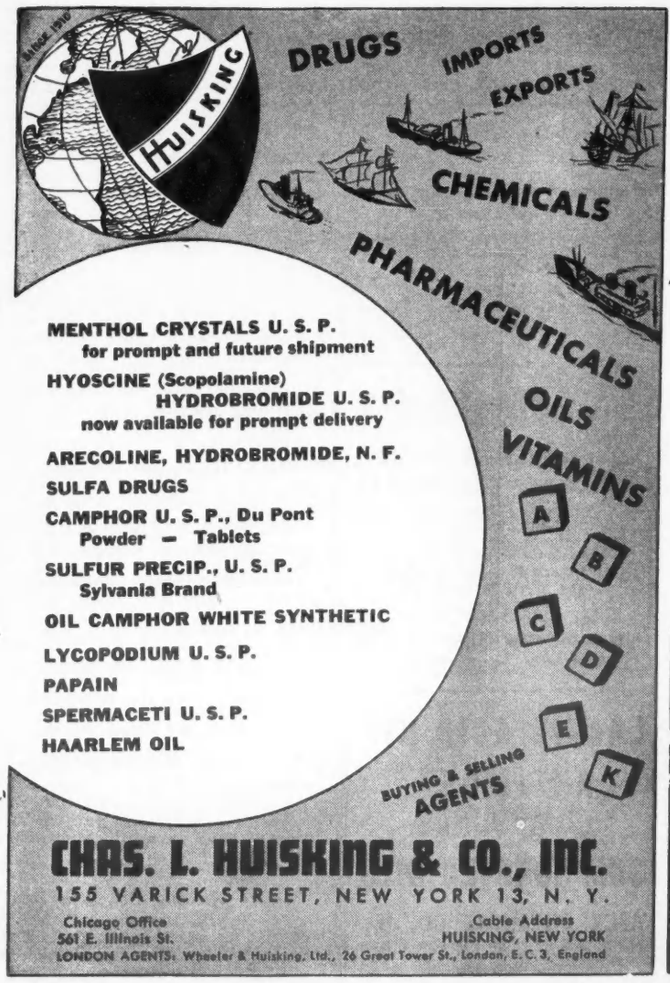

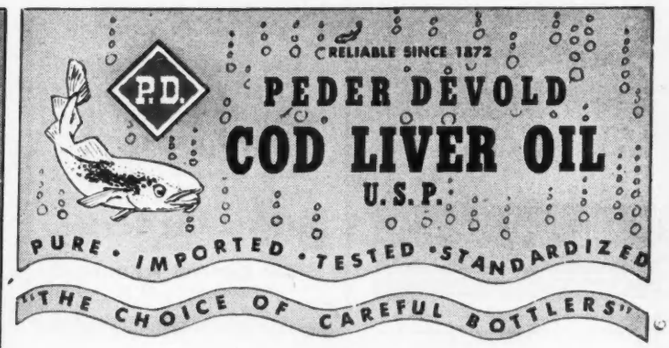

COD LIVER OIL OUTLOOK

Spot stocks of Cod Liver Oil are not too plentiful, and the world supply for the near future gives cause for some concern. If, however, the end of the European war comes shortly, the picture may change materially, as Norway may then be in position to take advantage of the producing possibility of normal winter fishing. Many intangible factors prevail today.

We feel certain, however, that our own stocks will always be adequate to care for normal needs, but for your own safety, we believe it is in your interest to discuss with us your needs, particularly as applying to the next six months.

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production of the opium poppy to medical needs, and cited the agreement of the British and Netherlands governments to abolish licensed opium smoking establishments in their territories in the Far East when these territories are liberated from Japanese occupation.

Animal Materia Medica

A course in animal materia medica for pharmacists was proposed by Dr. W. L. Beebe of Beebe Laboratories, Inc., St. Paul, Minn., in a talk on animal health products.

Animal medication is quite different from human, Dr. Beebe explained.

There are many tolerances and intolerances to certain drugs and chemicals in the animal field. For instance:—Cats are very susceptible to phenol preparations. A cat bathed in a solution of creosol compound probably would die within 12 hours. Conversely, chickens will take very large doses of strychnine with impunity. A chicken will tolerate a quarter grain of strychnine three times daily. On a relative basis, this would be thirty grains a day for a 200-pound man.

Dr. Beebe suggested that the drug distributors sponsor education of the farmer in the use of animal health preparations and seek passage of uniform laws in the various states to regulate sale and use of animal health products.

Furthering Pharmacy

A motion picture dramatizing pharmacy as a career was presented to the American Foundation for Pharmaceutical Education as a gift during the concluding session of the convention. The film, entitled "Bill Proctor's Choice," was prepared by the Becton-Dickinson Foundation as a contribution to the advancement of pharmacy. As a prelude to the premiere of the picture, formal presentation of the gift was made by E. T. T. Williams, of Becton, Dickinson & Co., Rutherford, N. J.

The film was accepted for the American Foundation for Pharmaceutical Education by George V. Doerr of McKesson & Robbins, Inc., Minneapolis, president of the foundation.

Lee H. Bristol, Bristol-Meyers Company, New York, chairman of the foundation's film advisory committee, told of his group's part in the making of the film, and Dr. Ivor Griffith, dean of the Philadelphia College of Pharmacy and Science, Philadelphia, discussed the film's value in furthering advancement of the profession of pharmacy.

Up to Business

If American business fails to solve the nation's postwar employment problem, our completely free enterprice economy will be dead, Leo Cherne, executive secretary of the Research Institute of America told the convention. Mr. Cherne said:—

American business has urged that it be given the opportunity to solve the nation's employment problem. It will have that opportunity, but solving the problem will prove far more complex and difficult than were the promises. Business faces its greatest challenge. If it succeeds, it is on the threshold of its greatest opportunity. If it fails, private enterprise will not be dead, but a completely free enterprise economy will be.

Surplus Stocks

Surplus medical stocks will be sold through regular trade channels in an "as is" condition at prevailing prices, Albert W. Frey, of the Treasury Department, told the meeting.

Mr. Frey's reassurances on the Treasury's plan for disposal of the drugs were given in a communication to Dr. E. L. Newcomb, executive vice-president of the association, which was contained in the latter's report to the meeting.

Other Reports

Reports were presented by H. L. Brooks, Coty, Inc., New York, chairman of the entertainment committee; William S. Auchincloss, OIL, PAINT AND DRUG REPORTER, New York, chairman of committee on memorials; L. R. May, Southwestern Drug Corporation, Houston, Texas, chairman of committee on active membership, which he placed at 217 firms, and W. E. Powell, B. F. Goodrich Company, Akron, Ohio, chairman of committee on associate membership, which he said now stands at 471 firms.

American Can to Resume Operations at Atlanta

The Atlanta branch of the American Can Company, New York, shut down partially for nearly two years because of metal shortages, will resume operations in the galvanizing department October 1.

Steamship Purchasing Agents Elect Minot

Charles O. Minot, purchasing agent for A. H. Bull & Co., has been elected chairman of the American Steamship

Charles O. Minot

Purchasing Agents Group. He succeeds John B. Sullivan of Grace Line, Inc. The group which is affiliated with the Purchasing Agents Association of New York comprises sixty companies which own or operate the greater bulk of the tonnage of American merchant shipping. Other officers elected were:—

Vice-chairman, Charles J. Ogg of the Marine Transport Lines; secretary, J. H. Leonard.

Standard Oil Forum

—Continued from page 3

comment and concern. Responsible leaders in government, in industry, and in education have raised the question of the future course of industrial research. Whether industrial research has given an undue advatage to large business over small business has been debated; the part government should play in research and in making available the results of research, whether by government or not, is being widely reviewed.

The forenoon session, opening at 10 o'clock, will discuss the guiding principles and objectives for the commercial programs of industrial research and development organizations. Charles F. Kettering, of the General Motors Corporation, will preside. Dr. Frank B. Jewett, of Bell Telephone Laboratories, Inc., will present the physicist's view. Thomas Midgley, jr., president of the American Chemical Society, will speak for the chemist. Harry L. Derby, of the American Cyanamid & Chemical Corporation, will give the view of industrial management. Bradley Dewey, former WPB rubber director, will speak at the luncheon.

How small business can usefully apply industrial research and development will be discussed at the afternoon session, opening at 3 o'clock, under the chairmanship of Warren K. Lewis, M.I.T. professor of chemical engineering. The following commentaries will be given and discussed:—

Research by the Business Itself, Edwin H. Land, president, Polaroid Corporation.

Research by Trade Associations and Cooperative Groups, Dr. Westbrook Steele, executive director, the Institute of Paper Chemistry, Lawrence College.

Professional Research Organizations, Dr. Earl P. Stevenson, President, Arthur D. Little, Inc.

Research by Foundations, Dr. Clyde E. Williams, director, Battelle Memorial Institute.

Research by Government, A. C. Fieldner, Chief, fuels and explosives branch, United States Bureau of Mines.

Frank A. Howard, president of the Standard Oil Development Company, will preside at dinner at 7 p. m. Robert P. Patterson, Under Secretary of War, will present for discussion the topic:—"What place should industrial research and development organizations allocate to future work directed primarily toward national security rather than commercial considerations?"

Neville Making Phenothiazine

The Neville Company, manufacturer of coaltar and other chemicals, Pittsburgh, Pa., has started production and preparation for nationwide distribution of phenothiazine.

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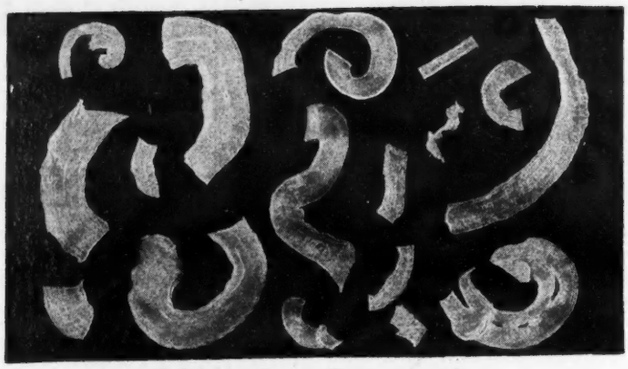

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Botanical Drugs, Spices, Gums

Prices on new crop botanical drugs offered by dealers to consumers are now being established at levels in line with prices which dealers had to pay collectors during the past Summer. Since the weight of price changes was down, the botanical market index number declined slightly. Some domestic botanicals that had reached high price positions because they had become either unobtainable or had been scarce almost to the point of non-existence are now again on the market. Prices on such new crop goods were set lower than the high prices that had prevailed when scarcity was acute. They still are at high levels compared with normal values and the reserves now in hand are reported to be subnormal.

Prices were reestablished on black Indian hemp root, prickly ash bark, passion flower herb, and squaw vine—all of which has been previously unobtainable and considered nominal at any price. Success in collection has restored a supply of bloodroot, echinacea root, pinkroot, and select sassafras bark, and the prices set last week were lower than the high levels forced by the previous acute scarcity. But the stocks are still far short of normal and the recessions in prices may be temporary.

Setting prices for new crop goods brought higher quotations on black haw bark, boneset leaves, deertongue leaves, grindelia robusta herb, prince's pine herb, ordinary sassafras bark, wahoo root bark, and rossed thin green wild cherry bark. The higher levels had to be set because, to get these articles collected last Summer, higher prices had to be paid in the country. Dealers declared the advance in new crop spot prices barely covered rises in primary market quotations. Dealer's profits are, if anything, less than normal and many said it was mighty hard to make any net profit on crude drugs today.

Among imported items, replenishment of low or non-existent stocks of Jamaica dogwood bark, henbane leaves, N. F., cut doggrass root, and tamarind brought downward price revisions in those articles. Also, prices on quassia chips, senna pods, and St. John's bread were shaded.

A development adverse to the further importation of botanical drugs grown in Argentina and exported to the United States after former European sources were eliminated by the war came last week when the State Department declared that, beginning October 1, American line ships would not pick up cargoes in Argentina, nor would they pick up transshipments of Argentine products at Montevideo, Uruguay.

Balsams

Tolu.—Market generally quiet and based mainly on a well sustained jobbing requirement of a fair number of buyers.

Peru.—Inquiry continued moderately more active, adding further firmness to prevailing prices.

Barks

Black Haw.—Higher at 95c. to $1 per pound for root bark and 40c. to 45c. for bark of tree. These prices are for new crop.

Cascara Sagrada.—Spot was higher and minimum at 32c. to 35c. per pound according to dealer, which was more in line with country prices.

Dogwood.—Replenished stocks of Jamaica bark were in the market at the much lower price of 8c. to 10c. per pound.

Fringetree.—The article moved out of the "no stock" position into one of firm spot offerings at 70c. to 75c. per pound.

Sassafras.—Ordinary was slightly higher at 40c. to 45c. per pound, while select bark was lower at 60c. to 65c. per pound for new crop goods.

Wahoo.—Root bark was minimum at 55c. to 60c. per pound and not all dealers were meeting the inside position.

Wild Cherry.—Rossed thin green bark was higher at 26c. to 28c. per pound, but there was not much demand. Most inquiry was for thin natural.

Beans

Vanilla.—A report was current last week to the effect that the vanilla-carrying ocean freighter recently reported lost at sea had made a port in this country. The report proved false but not until it had given rise to the hope that badly needed Bourbon beans would become available, and not until the market had become considerably agitated. Had it been correct, much of the pressure caused by insufficient stocks would have been removed and prices would probably have dropped from their present position at ceiling levels. The 110 tons are at the bottom of the sea and the problem of dealers is to replace the lost goods and thereby raise the present siege of scarcity.

Berries

Juniper.—Open market quotations remained unchanged notwithstanding reports of more domestic berries being available for prompt delivery.

Raspberries.—The market was strong in price and undersupplied as to prompt delivery merchandise. The situation was tight and seemed likely so to remain.

Flowers

Calendula.—California sellers quoted new crop $2 per pound, f.o.b. Pacific Coast.

Clover.—Final reports on collection indicate that stocks have been rarely so low and that almost acute scarcity prevails in a market minimum at 55c. to 60c. per pound.

Saffron.—Spot Spanish flowers were offered lower at $42 to $43 per pound, subject to passing. The price compared with some $52 asked recently in some quarters.

Gums

Arabic.—Except for the very occasional buyer in large quantities, the spot market was one of much restricted jobbing demand and conditions were mainly favorably for consumers. The range on sorts was 11½c. to 13c. per pound as to dealers.

Locust Bean.—Prime quality goods were in steady position, spot prices reflecting well maintained quotations at the foreign source of supply.

Tragacanth.—Regular dealers stood at $4.50 per pound for No. 1 ribbon gum, but market reports indicated that some first-hand importers were

For Current prices see alphabetical listing beginning on page 9

Market Trends

Prices Advanced

Drugs

Black haw, root bark, 10c. per lb.
tree bark, 10c. per lb.
Boneset leaves, 1c. per lb.
Cascara bark, 2c. per lb.
Deertongue leaves, 19c. per lb.
Fleaseed, Indian, 1c. per lb.
Grindelia robusta herb, 2c. per lb.
Prince's pine herb, 10c. per lb.
Sassafras bark, ordinary, 2c. per lb.
Wahoo, root bark, 10c. per lb.
Wild cherry bark, rossed, thin, green, 3c. per lb.
Yerba santa, 1c. per lb.

Other Articles

None

Prices Reduced

Drugs

Aconite root, 10c. per lb.
Bloodroot, 5c. per lb.
Buckthorn bark, 3c. per lb.
Doggrass root, N. F., cut, 5c. per lb.
Dogwood bark, Jamaica, 7c. per lb.
Echinacea root, 5c. per lb.
Henbane leaves, 30c. per lb.
Lycopodium, 15c. per lb.
Pinkroot, 5c. per lb.
Quassia chips, 1c. per lb.
Sassafras bark, select, 5c. per lb.
Saffron, Spanish, $2 per lb.
Senna pods, 1c. per lb.
St. John's bread, inedible, 3c. per lb.
Tamarind, 1c. per lb.

Other Articles

Allspice, Mexican, ½c. per lb.
Caraway seed, Canadian, 10c. per lb.
Ginger root, Jamaica, No. 2, ½c. per lb.
No. 3, 1c. per lb.
Laurel leaves, Portuguese, ½c. per lb.
Sage, California, leucophyllin, 10c. per lb.
Thyme, California, French type, 6c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
245.3	245.4	246.2	264.1

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LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
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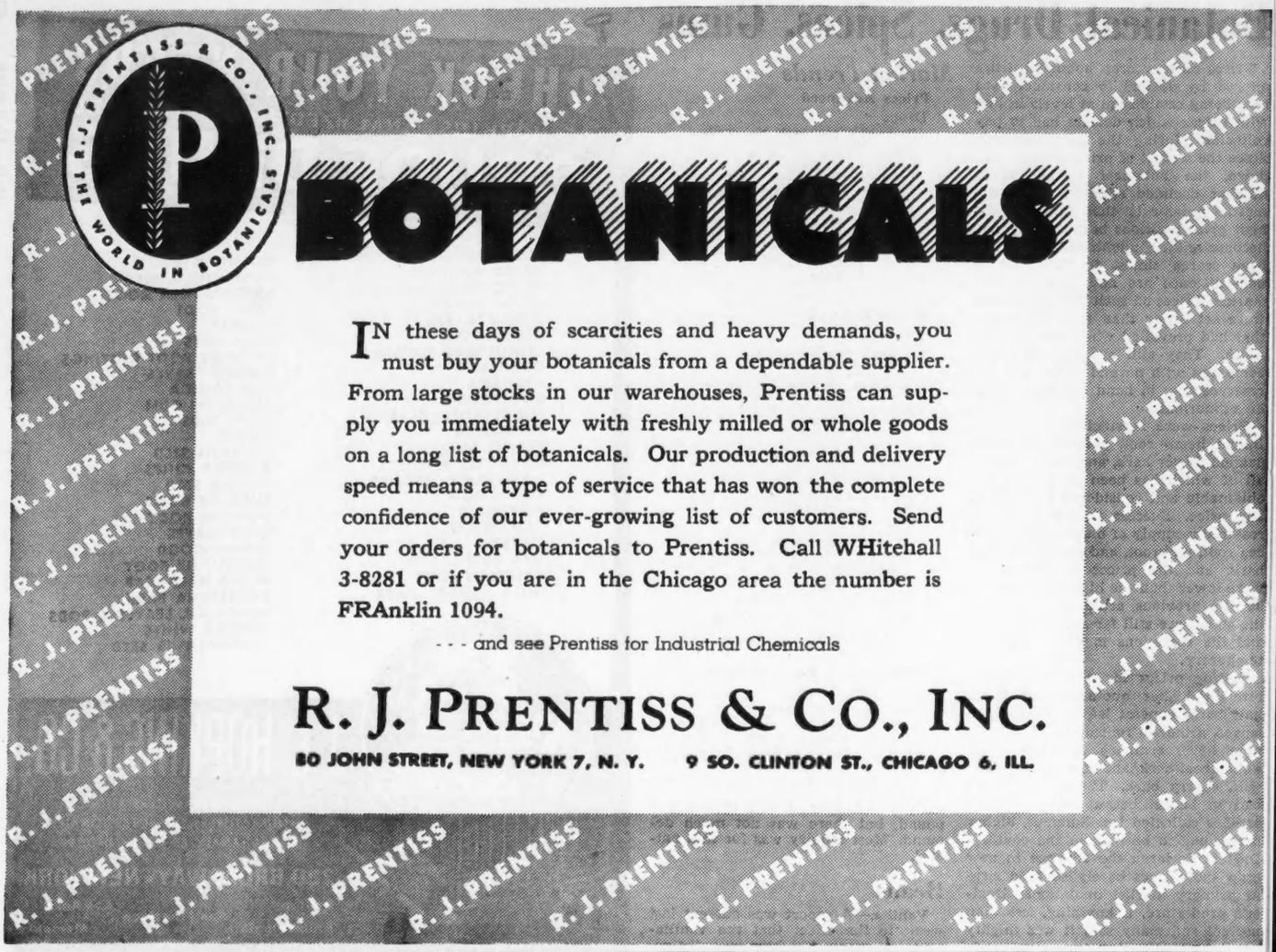
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seeking buyers for consumption around $4.10 to $4.25 per pound.

Herbs and Leaves

Belladonna.—The market was down slightly to the basis of 90c. to 95c. per pound with moderate inquiry tending to stimulate more competition.

Boneset.—Firmer so far as new crop goods were concerned and spot prices were minimum at 16c. to 17c. per pound

Deertongue.—The collection was almost a failure and local dealers have nothing but small quantities of new crop goods to sell at 42c. to 48c. per pound. All old crop quoted lower prices has been moved.

Grindelia.—Quoted higher at 20c. to 22c. per pound to bring spot quotations into line with the prices prevailing in the primary market.

Henbane.—Arrivals have weakened and lowered the market. Prices now stand at 90c. to $1 per pound.

Lobelia.—A virtually complete crop failure is reported and occasional lots that are very small are offered on spot at not less than $1 to $1.05 per pound. All the lower priced old crop has gone into consumption.

Passion Flower.—Spot dealers renewed offering of spot goods and set new crop prices at 16c. to 20c. per pound as to dealer.

Prince's Pine.—Very small collection and equally small stocks find a strong market at 55c. to 65c. per pound with the tendency still upward.

Squaw Vine.—Recently reported out of stock, renewed supply from new crop collecting brought a restoration of prices at 50c. to 55c. per pound.

Sweet Basil.—The quotation of 97c. to 98c. per pound, f.o.b. California point, was cheaper than previous prices received here.

Thyme. — California-grown French type thyme was quoted lower at 80c. to 82c. per pound, f.o.b. California point.

Roots

Aconite.—More local competition was reported and values dropped to the basis of $1.10 to $1.15 per pound.

Angelica.—Domestic root reentered the spot market on a firm basis with prices being set at 80c. to 85c. per pound

Black Indian Hemp.—Supplies have reappeared on spot and offerings were made at 50c. to 55c. per pound.

Blood.—This article was lower at 70c. to 80c. per pound, the range depending on seller. There is not very much available anywhere.

Doggrass.—The N. F. quality of cut root was quoted at 45c. to 50c. per pound, a concession made possible by the offering of new supplies.

Echinacea.—New crop has come to the market at last, making it possible for sellers to entertain orders at the lower price of 90c. to 95c. per pound.

Pink.—Restocking from the very moderate quantities collected during the past several months permit a slightly lower price of $1.85 to $1.90 per pound.

Seeds

Caraway. — Canadian-grown seed was offered lower at 70c. to 72c. per pound, f.o.b. Montreal.

Celery.—Indian seed continued to vibrate and by the close of the week spot goods in some quarters were lower at 17½c. to 18c. per pound. This was about level with replacement cables.

Mustard.—Fairly quiet on the whole but generally steady as to price with the spread of prices on yellow and brown seed continuing to be very wide.

Flea.—Indian seed was slightly higher at 14c. to 16c. per pound.

—Continued on page 70

Mexico Cuts Drug Fee

The fee for the certification and registration of foreign packaged medicines (including pharmaceutical specialties), and cosmetics has been reduced from 200 pesos to 20 pesos (about $4.05) for each preparation, according to information reaching the United States Department of Commerce.

John P. Wenrich has been named Eastern division manager for the National Drug Company, pharmaceutical manufacturer, Philadelphia. Mr. Wenrich has been a representative of the company for nineteen years.

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Dr. Tennent, a Scotch physician in the Virginia Colony, on observing the effect of administering the root, concluded that it might be useful in pleuropneumonia and pneumonia.

Trials made in 1734 and 1735 proved his conclusions correct and he sent his observations to Dr. Mead of London, in a letter about epidemical diseases of Virginia. The letter was published with an engraving of the plant then called *Seneca Rattlesnake Root*. Its use in pulmonary diseases continues here and abroad today.

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Essential Oils, Other Aromatics

Reports indicated that activity in the market for essential oils was quiet last week. Trading reached but moderate volume and consisted mainly of orders of small size. Regardless of the absence of more active request, prices were mainly well stabilized, as indeed they should have been considering the extremely low stocks of many articles.

Importers of Brazilian lemon oil are apparently to get some relief from the restriction inherent in the lemon oil price ceiling. Effective October 2, lemon oil importers who had purchased abroad prior to June 15 may apply for an adjustment of their prices if they can show that total landed costs of such purchases are higher than the ceiling price set on that date. Any person who, prior to June 15, had bought, contracted to purchase, or had established an irrevocable letter of credit pursuant to a contract to buy may apply. Since Italian lemon is handled only by government agencies, the relief accorded above would seem to be restricted to importers of Brazilian oil.

Nothing further was reported regarding the pending arrival of bergamot and lemon oils from overseas but it was understood that the government was likely to permit some of the lemon oil to reach civilian channels this time. Discussion locally concerning the cost to produce peppermint oil evoked the opinion that said cost is possibly lower than has been suggested by some producers. The spread between producers' costs and selling price was called too wide by dealers who had been making a study. The War Food Administration has bought 9,600 pounds more oil, probably of the U.S.P. variety.

Plentiful supplies of orange moved steadily in a volume that supported prices fully. Inquiry regarding prices on new crop wormseed oil went unanswered, although production should have begun in the Baltimore area by now. Spearmint was very scarce. So was clove, larger production of which awaits substantial arrivals of raw materials at present very short on spot.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
261.7	261.7	261.6	247.0

Essential Oils

Bergamot.—Nothing further regarding an expected arrival from overseas. The market has been clear of Italian oil for a very long time and it is believed that there will be ready absorption of such oil as may eventually reach here.

Cananga.—A very firm market position prevailed on spot, due mainly to the conservative size of the stocks held in the very few quarters with any goods in hand. Not much inquiry was reported last week.

Caraway.—Not much was available on spot and in most quarters the market was called nominal. Very firm undertones prevailed as a consequence of the shortage.

Cardamom.—The raw material market appeared to be slightly firmer last week; at least, no further decline in prices was reported. Oil was steady under very moderate consuming request last week.

Citronella.—More inquiry in local circles was reported and that fact, together with the sustained prices at the source where Britain has been a buyer, tended to strengthen spot values substantially. Price shading has disappeared.

Clove.—The market was almost totally bare of unsold raw material. In fact, some small stores in St. Louis were being offered to this market around 23½c. per pound. Hence, the position of clove oil was one of strength that is bound to continue until such time as larger imports of cheaper raw material and some oil shall provide an increase in spot reserves of the oil.

Coriander.—There is but a poor prospect of getting much more North African seed to this country and hence production of oil here is uncertain. Also, there are no signs that any oil will come here from Russia, a country formerly supplying substantial quantities to the European and spot market.

Dill.—Weed oil has become firmer. No further price concessions have developed and the goods continued to move in very good volume at firm levels.

Erigeron.—Local factors have not generally received any offerings of 1944 production and it is not certain that the primary market found labor for its production this year.

Ginger.—Production is curbed by the inability of distillers to get African root for production purposes. Only high-priced Jamaica root comes to this market now. Stocks of oil continued conservative, therefore, and prices held very firm. Demand was moderate.

Lemon.—According to an OPA announcement on September 28, ceiling prices on imported oil purchased or contracted for prior to the establishment of dollar-and-cent ceilings on June 15 last may be adjusted on application. The adjustment provision would seem to affect Brazilian oil primarily. The action is effective today, October 2, and was taken to avoid hardship to importers who can show that total landed costs of purchases made prior to the ceiling of prices are higher than the ceilings that went into effect on June 15. Application for adjustment may be made by any person who, before June 15, had purchased, contracted to purchase, or had established an irrevocable letter of credit pursuant to contract to purchase lemon oil to be imported into the United States. Application for adjustment should be made in writing to the Chemicals and Drugs Price Branch, Office of Price Administration, Washington, D. C., and should include the following information:—(1) date of purchase; (2) price paid and terms of sale; (3) total quantity received or to be received; (4) itemized statement of all import expenses; and (5) copy of the irrevocable letter of credit or contract of purchase.

Mandarin.—Only Brazilian oil was available, and not much of that was in hand. Nothing has been said as yet regarding some oil being fetched to this country from either France or Italy.

Nutmeg.—Continues to be very scarce on spot and to some extent the market is counted as nominal. Certainly many normal suppliers have none.

Orange.—Demand was very good. Although supplies appeared to be ample, especially of Brazilian oil as the result of further arrivals recently, values continued to display a steady quality that suggested their being in line with the cost to replace most varieties. Not a word is being said about North African oil which, normally, plays a big part in the consuming market. In 1939, North Africa shipped 172,000 pounds to this market and, in addition, 32,700 pounds came from France, probably being, at least in part, of African origin.

Palmarosa.—Only the smallest kind of stocks are available on spot now and the market was called purely nominal by practically all normal factors.

Peppermint.—The War Food Administration reported the purchase of 9,600 pounds of old crop oil at $7.33 per pound. The purchase was on August 25, and although the official report of the transaction did not give the quality, it was assumed here that it was U.S.P. material obtained from a middlewestern dealer. Some dealers' opinions regarding peppermint oil production costs this year suggest that costs are lower than some producers allege. At least one local seller has been making an intensive study of production costs. The War Food Administration has announced an increase in oil of peppermint quotas for nearly all industrial users of this product. Increased production has made larger quotas possi-

For Current prices see alphabetical listing beginning on page 9.

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ble. Effective October 1, the quotas are increased as follows:—Manufacture of chewing gum, from 70 percent to 80 percent; manufacture of confectionery, from 70 percent to 80 percent; manufacture of pharmaceutical preparations, from 100 percent to 110 percent; manufacture of dentifrices, from 75 percent to 85 percent; and manufacture of miscellaneous articles, from 70 percent to 80 percent. The quota base period is the year 1941, but allocations are on a calendar quarter basis. All industrial users affected by WFO 81 may use the increased quotas without further application to WFA. Menthol manufacturers must still obtain allocations of the oil upon application to the Director of Distribution, War Food Administration.

Petitgrain.—Firm because of the uncertainty of replacing current stocks that are moderate in size. Movement was reported fairly good throughout the week and more than sufficient to keep prices well maintained.

Sage.—Numerous inquiries for a price of clary sage suggests that some import agents here have been receiving proposals from foreign parts. Practically nothing but Spanish oil has been here for a long time.

Spearmint.—It was thought here that most of this year's production will be sold through dealers not in this market, and it was believed that the larger manufacturing consumers have contracted for a substantial part of the 1944 crop. Little or no oil was available on spot.

Spruce.—Not over supplied and holding firm at ceiling levels, which are maintained in line with the prices at which replacements have been selling at the source.

Sweet Birch. — Country production costs are high, or at least so reported and made the basis for maintenance of quotations on replacement goods.

Vetiver.—Little Bourbon oil was available and a strictly nominal market position was reported.

Aromatic Chemicals

Amyl Salicylate.—Moderately available, but not especially active at the moment. Prices reported as steady.

Anethol. — Stocks were definitely small and are not readily to be increased. Demand was light, but very steady.

Anisic Aldehyde.—Strong and very scarce at the present time.

Benzaldehyde. — High consumption technical material for the account of the armed forces the continuation of but a moderate quantity of U.S.P.

Benzyl Compounds. — Few articles within this category are readily obtainable and lack of sufficient raw material is likely to hold supplies low for an indefinite period.

Paine Joins Syrups & Sugars

Dr. H. S. Paine, formerly chief of the carbohydrate division of the Department of Agriculture has joined the technical staff of Refined Syrups & Sugars, Inc., as research consultant. After supervising the construction of the new research laboratory and food pilot plant, Dr. Paine will coordinate the company's research activities with the technical work being done by various branches of the food industry.

WPB Top-Side Organization Completed

OPD Washington Bureau

J. A. Krug, acting chairman of the War Production Board, announced that he had completed the top-side organization of the WPB with the appointment of John D. Small as executive officer in the Office of the Chairman. Mr. Krug pointed out that he had previously named Arthur H. Bunker as chief of staff and Hiland G. Batcheller as chief of operations, as steps in streamlining the WPB organization to deal with reconversion.

The chief of staff will develop and coordinate various policies under Mr. Krug's direction; the chief of operations will be in charge of WPB operating activities; the executive officer will assist both of these men, and work with the other officials of WPB, to thresh out major problems.

Mr. Small was from 1926 until 1934 vice-president and general manager of the Dry Ice Corporation of America, and from 1934 to 1942 he was western manager of the Publicker Commercial Alcohol Company of Philadelphia.

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From Original Sources
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Give your Brilliantines greater sales appeal by scenting them with "Aromatic's" Floral Odors. Unusually effective — amazingly inexpensive. One pound perfumes and colors a 54 gallon drum of mineral oil. Available both with and without color at the same price.

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PETROLATUMS—WHITE OILS
for every purpose
ULTRA PENN REFINING CO. • Butler, Pa.

PERFUMES
and
DEODORIZERS
for every use
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215 PEARL STREET
NEW YORK

Petroleum Derivatives

Although the supply of crude petroleum available to the independent refinery interests has latterly become more liberal, in spite of another slight dip in the average daily production in domestic oilfields, there has been no slackening of the stranglehold exerted by the war's exigencies and requirements upon supplies and the current output of petroleum solvents, liquefied gases and numerous other light hydrocarbons in the petroleum derivatives list entering into the fortifying of aviation gasoline of 100-octane and so-called trioctane strength. Nor is there any likelihood of a release of larger quantities of these derivatives and the bases on which they are built up until cessation of the war in Europe reduces military consumption sufficiently to allow more of them to be used for non-military purposes.

At the moment, processors of high-solvency aromatic naphthas and other naphtha specialties are fearful lest the government's new munitions requirements overrun the source of basic materials to the extent that, with toluol stocks greatly depleted, it may be necessary to turn to xylol on such a huge scale as to leave little xylol for these solvent makers to use as a base for the production of their goods.

Solvents and Diluents

Aromatic Solvents.—With the prospect for an acute shortage in the xylol base of these high solvency aromatic naphthas looming on the immediate horizon, as expanding war munitions requirements threaten to drain virtually all existing stocks of toluol and compel recourse to xylol to fill all these war needs, processors of these products are becoming somewhat disturbed over the outlook for obtaining enough xylol to continue operating their plants at the pace called for by the current demand. While most of these manufacturers still have enough xylol on hand or on the way to their works to keep them running for another month, they are now uncertain as to how much longer they can count upon receiving enough to meet the needs of their customers. Meanwhile, buying interest in both Class A and Class B types and blends is still running high and prices are being strongly maintained.

Cleaners' Naphtha. — Continues in keen demand on both military and civilian accounts. Market firm throughout.

Lacquer Diluent.—Still moving in sizable volume into the paint trade, with the bulk going to those engaged in war production work. Tone steady.

Mineral Spirit. — In undiminished request. Prices firmly held.

Rubber Solvent.—Synthetic rubber manufacturers continue to absorb virtually the entire output of this material. Market strong.

Stoddard Solvent.—Heavy purchasing is still reported in this solvent for both military and civilian dry cleaning operations. Tone firm.

V. M. & P. Naphtha. — Extensive buying continues to be noted, with paint interests engaged in war production work taking the lion's share.

Markets at Other Centers

Chicago, Sept. 29.—Various consuming lines, such as the paint industry, are originating considerable demand for various grades of petroleum solvents and thinners in this area. Suppliers seem to have rather limited amounts to offer, with a result that a generally firm market situation prevails.

Los Angeles, Sept. 26.—Conditions in the solvents and diluents market on the Pacific coast are generally steady, with the demand well ahead of production. Almost everything possible of production has been spoken for.

Lighter Fractions

Butane.—The continued absorption of nearly all stocks and current production of this liquefied petroleum gas by manufacturers of high-octane gasoline and synthetic rubber is leaving little available for home heating and cooking and for private industrial heating purposes. Strength dominates the entire market.

Market Trends

Prices Advanced
None
Prices Reduced
None

Heptane.—In steadily increasing demand. Tone firm.

Hexane.—A growing movement is noted with prices well maintained.

Octanes.—Buying interest showing steady expansion, principally on war production account. Market steady.

Pentanes. — Moving in mounting volume into consuming channels. Tone firm.

Propane.—Conditions exactly similar to those prevailing in butane dominate the market for this liquefied gas.

Petrolatums and Waxes

Amorphous Waxes. — Under the leadership of the standard process types, these waxes continue moving steadily into consumption, with the market characterized as stable.

Paraffin.—Stocks of crude scale continue to be heavily drawn upon to satisfy lend-lease demands. The shortage in refined grades is still unabated. Prices well maintained throughout the list.

Petrolatums.—More liberal supplies of steel drums having become available for shipping large quantities of these petroleum jellies, while fiber drums are being used only in transporting relatively small amounts, most manufacturers have revised their quotations to a basis of drums extra, with a $4 deposit charge made on each drum. This revision has brought prices down a quarter cent per pound from those asked when shipments were made almost entirely in fiber drums. A steady movement is noted of U.S.P., veterinarian and technical grades.

White Mineral Oils.—The market for these oils is being greatly unsettled by price cutting on the part of suppliers who are finding themselves overstocked in certain lines. Leading producers, however, continue to hold steadfastly to their old schedule of prices and are still obtaining the bulk of available business at their figures.

Fuels and Lubricants

Crude Petroleum. — Although the daily average output of the domestic oilfields has shown a drop of 1,650 barrels to 4,743,850 barrels for the week ended September 23, runs of crude oil to the refineries for that week, which have included a considerable amount of imported petroleum, have exhibited a gain from 4,585,000 barrels to 4,608,000 barrels. As previously mentioned, PAW has recommended an average daily production of 5,010,800 barrels for the current month.

OPA has announced specific dollar-and-cent ceilings for crude oils of lower gravities in Oklahoma and Kansas and of Pennsylvania grade oil in one area of Ohio fixed at prices actually being charged for them so as to facilitate functioning of the stripper well premium plan, inasmuch as most of this oil comes from stripper pools. Simultaneously, PAW has announced three changes in the price formula on petroleum products sold on assignment or reassignment in the East coast States.

Gasoline.—Both production and inventories of gasoline have shown a decline within the week ended September 23. The refineries' yield for that week fell from 14,201,000 barrels to 13,841,000 barrels and nationwide stocks were diminished by 354,000 barrels to 78,726,000 barrels.

PAW has ordered refineries in the United States to reduce their current output of premium gasoline for civilian consumption by 50 percent, after acknowledging that only about half of the gasoline now in storage is available for civilian use.

OPA has acted to remove the differential existing between the East Coast and the remainder of this country on validity dates of "A" gasoline rations by issuing renewal "A" books for the East coast earlier than had been planned, and by validating the "A-13" coupons in the renewal books on November 9.

For Current prices see alphabetical listing beginning on page 9.

PENN-DRAKE
WHITE OILS
AND PETROLATUM

Blend-ability and unexcelled Purity, the result of Penn-Drake's laboratory controlled refining process that produces petrolatums and white oils which maintain correct viscosity to resist oxidation and stock deterioration, with high stability, smooth quality, colorless and freedom from undesirable oily-tastes or color. Technical bulletin available to manufacturers. Write today.

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Makers White Oils (U.S.P. and Technical): Petrolatums (all grades and colors): INSECTI-SOL (odorless insecticide base): Odor-Free and other Naphthas: Petroleum Sulphonates: Waxes: Industrial and Motor Lubricants and Greases: Fuel Oils, and other petroleum products.

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ANHYDROUS
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(CARBONYL CHLORIDE)
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LOW POUR POINT
WHITE OILS
All Grades, PARAFFIN AND MICRO-CRYSTALLINE WAX-PETROLATUMS
OIL STATES PETROLEUM CO., INC., Woolworth Building, New York 7, N.Y. Plant, Bayonne, N. J.

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1—Glass Lined Jacketed 3,000 Gal. Still.

1—Lead Lined 24" Centrif. Extractor.

1—Tolhurst 28" Centrifugal Extractor.

1—Lead Lined 500 Gal. Autoclave with 7½ H.P. Agitator; Jacketed.

6—Lead Lined Tanks, 375 to 1000 gal.

7—Steel Pressure Tanks; up to 2000 gal.

40—Electrolytic Cells, copper connections.

PUMPS, bronze, iron centrifugal and Beach Russ Vacuum, Worthington, Buffalo, etc.

Complete Motor Generator Installation incl. 2 Westinghouse DC Generators.

2—Glass Lined 750 Gal. Jkted. Tanks, one with revolving glass coated coil.

Rotex Sifters; 20"x48"; 40"x84"; 54"x120".

2—Lab. W. & P. Unjacketed Mixers.

1—W. & P. 100 gal. Jktd. double arm Mixer.

2—Heat Exchangers; 100 sq. ft., copper tubes.

1—Kilbey Rotary Kiln; 5'x22'.

1—Tray Dryer with blower; 35 S.S. Trays.

4—Iron Fireman Stoker with complete equip.

1—Boiler 100 H.P. steam pump, injector, stack, etc.

2—Air Compressors, Fairbanks and Brunner.

2—Buffalo & Devine 6' Crystallizers.

1—Rotary Digester, Jktd., 6'x13'.

Shriver 18" Cast Iron Filter Press.

2—2500 liter Swenson Steel Crystallizers, Jacketed and Agitated.

2—Swenson & Zaremba 4' Evaporators.

4—Direct Fired Retorts, agitated; 3'x7'4"; swing door.

Miscellaneous Valves, S.S. Bronze, Lead, Iron Piping, Aluminum, Brass, Iron, etc.

Everything Priced For Immediate Disposal

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Agencies Wanted

WELL ESTABLISHED wholesale drug house in Canada would consider additional lines for jobbers or drug trade. Manufacturing and packaging equipment available. BOX 331, Oil, Paint and Drug Reporter.

WE ARE located in Cincinnati and have sold various industries including the paint, ink, rubber, paper and soap manufacturers for 25 years. If you produce raw materials used in these and other industries, we would be interested in representation. BOX 404, Oil, Paint and Drug Reporter.

Agents Wanted

SALES AGENCY for outstanding valve lubricants offered—We want to place the exclusive sales agency for the unique valve lubricants we manufacture as a specialty—acid resistant sealacid, hydrocarbon resistant styroseal, heat resistant lavaseal, alkali resistant sealalkali—with first-class firms or individuals in their respective sales districts in the U. S. A. and Canada. The compounds listed above are in regular use in a large number of the leading oil refineries, synthetic rubber plants, chemical factories, etc. They are clean and easy to handle, packed in paste and stick form. Only such firms or persons of excellent reputation, who are well organized to handle this article, will please write and outline their proposed sales district to Chemotek Manufacturing Co., Commerce Building, Houston, Texas.

Agents Wanted

WE HAVE approximately 15,000 tons annually of soft phosphate with colloidal clay (colloidal phosphate) and would like connection with some reliable outfit who can handle the sale of this material. This product is used for direct application to soil and is priced attractively. BOX 403, Oil, Paint and Drug Reporter.

Equipment Offered

NEWFOUNDLAND GRINDING pebbles. Picking season will close about November first. Limited quantities available, sizes 000 to 5. Clinchfield Sand & Feldspar Corp., 618 Mercantile Trust Building, Baltimore 2, Md.

Problems of Today!

CHANGES IN WAR PRODUCTION.
DISPOSAL OF IDLE MACHINES AND PLANTS.
INSTALLATION OF NEW PROJECTS.

"CONSOLIDATED" Can Help You

Special Items from Stock

41—(NEW) STAINLESS STEEL steam jacketed KETTLES, up to 500 gal. cap. AA3 needed.

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS Type A-9

1—6' x 12' Vacuum DRUM DRYER Buffalo Foundry complete with accessories

16—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30" x 12'

7 ATMOSPHERIC DRUM DRYERS 4' x 12'

2—32" x 72" ATMOSPHERIC DOUBLE DRUM DRYERS, m. d.

2—Bullovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.

4—6 TRUCK DRYERS, Philadelphia Textile

9—Direct heat ROTARY DRYERS 4' x 30' 5' x 30', 70" x 30'

1—7'6" x 75' Indirect Heat ROTARY DRYER.

2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined, 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes

2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.

6—DRY POWDER MIXERS various sizes. To 3000 lbs.

2—W. & P. MIXERS, sizes 21-X-DB jacketed 625 gal.

3—4-Roll RAYMOND HIGH SIDE MILLS, all equipped for vacuum air separation—one with latest "whizzer" separator, two with double cone vacuum separators. Each including exhaustor, cyclone collector and interconnecting piping.

1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.

6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.

1—Day No. 30 Imperial Jack. MIXER 75 gal.

8—RUBBER LINED Rectangular TANKS; 7—500-gal.; 1—150 gal.

29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.

1—PNEUM. SCALE CARTON PACKAGING UNIT

1—Pneumatic Scale Co. Auto. tight WRAPPER.

2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes

1—36" dia. Cast Iron COLUMN, 23'' high.

1—355 c.f.m. AIR COMPRESSOR with A.C. Motor

1—Devine duplex VACUUM PUMP 16 x 16 x 12.

2—STOKES steam heated WATER STILLS, 5, 10 gal. per hour.

1—Day 5-gal. jacketed MOGUL MIXER.

9—Hardinge BALL MILLS, 3' x 36", 6' x 16"; also 6' x 12' Rod Mill.

2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS.

5—ROTARY KILNS, 6' x 60' 8' x 125' 8'x 135'.

2—BELT CONVEYORS, 30" x 130', 16" x 65'.

3—Dracco Perfecto Type AAA DUST COLLECTORS.

LIQUIDATION
MACHINERY AND EQUIPMENT OF FORMER
CENTRAL SUGAR CO., Decatur, Indiana

1—Battery of 5—40" BRONZE BASKET, Western States 1600 RPM belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil, syrup troughs, all supporting framework, unloaders.

1—Battery 6—40" American Tool BRONZE BASKET, 1200 RPM., belt driven CENTRIFUGALS, plain bearings, mixer, supporting framework, syrup troughs, unloaders.

1—19,000 sq. ft., QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping pumps, etc.

2—8'x12' All Steel OLIVER FILTERS, complete with all pumps and receivers.

5—8x10 Wood Stave OLIVER FILTERS, complete with all pumps and accessories.

8—JUICE HEATERS, 500 to 750 sq. ft. H. S.

1—Hersey double unit ROTARY DRYER OR GRANULATOR.

1—Burman ROTARY DOUBLE SHELL DIRECT HEAT PULP DRYER.

Miscellaneous: Pumps, Packaging Machinery, Dryers Coil and Calandria Pans

Send for Printed Circular
Arrange to Inspect

1 Abbe Blutergess No. 2 SIFTER; 1—No. OS. m d

2 Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS

10—Dopp C. I. jacketed KETTLES, 25 Gal. to 100 gal; 30—steel, cast iron, jack. up to 2000 gals.

1—ROLLER MILLS, 6' x 14" 12 x 30, 16 x 40 water cooled

2—K. K. 18-spout Rotary Gravity hand FILLERS.

1—24" dia. x 40" PENNSYLVANIA SINGLE ROLL CRUSHER

1—HARDINGE CONICAL PEBBLE MILL, 6' x 36", silex lined, silent chain drive, motor and starter.

3—DORR BOWL CLASSIFIERS—10' dia. bowl with 2'3"x19'8" rake 12' dia. bowl with 2'3"x21'4" rake 15' dia. bowl with 2'3"x23 rake.

1—OLIVER DUPLEX DRY VACUUM PUMP, 14" x 8".

1—HARDINGE CONSTANT WEIGHT FEEDER, ¼ HP motor.

3—DORR THICKENER MECHANISMS—Trays and Superstructures for 20' dia. x 10'; 30' dia. x 12'; 40' dia. x 12'.

4—DORRCO DIAPHRAGM PUMPS, single and duplex.

1—8' x 8' OLIVER ROTARY CONTINUOUS VACUUM FILTER.

2—RAYMOND BROS. "IMP" PULVERIZERS, No. 40, with direct connected motors, cyclone collectors and all inter-connecting piping.

1—Pneumatic Scale straight line BOTTLE CLEANER

4—150 gal. aluminum TANKS, cone bottom.

1—Stokes No. 21 GRANULATING MIXER, 50 lb belt driven.

4—Granberg LIQUID METERS.

1—No. 7; 2—Colton TUBE or JAR FILLERS, No. 0

1—Colton hand TUBE FILLER.

2—Jones Automatic CARTONERS

2—Anderson PACKAGING UNITS.

1—Sperry Iron FILTER PRESS 36" x 36", 38 chambers; 1—Shriver 24" x 24", 40 chambers.

2—World Rotary auto. LABELERS

1—Burt straight line auto duplex LABELER, md.

1—C. C. & S. 7-head Jumbo CROWNER

7—50 gal. copper steam jacketed VACUUM PANS complete; other sizes to 750 gal.

1—300 gal. COPPER steam jack. KETTLE, with bronze agitator.

1—Pneumatic Scale Co Auto. 6 head CAPPER & CAP FEEDER, M. D.

1—(new) Stokes "F" single punch TABLET MACHINE, ⅝", A. C. motor.

3—Pfaudler GLASS LINED TANKS, 2-90 gal. open, 1-100 closed.

1—No. 12 SWEETLAND FILTER with 36 monel leaves, 250 mesh, grooved.

WANTED: Idle Machines
Single Items or Complete Units.
You can help War Production by sending us your list.

We Buy and Sell From a Single Item to a Complete Plant

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New York 7, N. Y.

FOR OVER 25 YEARS A SYMBOL OF CONFIDENCE

Shops: 335 Doremus Ave.
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Equipment Wanted

SIFTERS—Wolf gyrator, old or new style; Richmond gyro whip; Schutz O'Neill limited pulverizer, preferably large size. BOX 359, Oil, Paint and Drug Reporter.

WANTED — One para-di-chlor benzol cake or block press; must be reasonable. BOX 401, Oil, Paint and Drug Reporter.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 419, Oil, Paint and Drug Reporter.

Facilities Wanted

FACILITIES WANTED to manufacture two products requiring heated kettle 400-1,000-gal. capacity, steam, RR siding, transfer pump. A 10,000-gal. heated storage. Present capacity desired around 30,000 lbs. daily. BOX 398, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE — Approximately 290 lbs. thionylchlorid, 75 lbs. diethylamide; vacuum pump, McNeill-Crowl, in good condition. BOX 400, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE—Propylene glycol, 130,000 lbs., f.o.b. tankcar, Chicago, at 10c. per lb. BOX 415, Oil, Paint and Drug Reporter.

Materials Wanted

DO NOT wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. BOX 420, Oil, Paint and Drug Reporter.

WILL PURCHASE your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. BOX 421, Oil, Paint and Drug Reporter.

Plants Offered

MINE and mill for sale—We have approximately 6,000,000 tons of a material that is in demand at this time and will be in greater demand after the war; modern grinding plant with all necessary equipment and facilities including building, trucks and railroad siding. Investment $115,000.00. Terms can be arranged. Write for details to BOX 402, Oil, Paint and Drug Reporter.

Plants Wanted

WANTED—To buy small chemical plant, with steam heat and gas, with or without equipment, vicinity of or in New York City. BOX 382, Oil, Paint and Drug Reporter.

Positions Vacant

ANALYTICAL CHEMIST — Permanent position open with large midwestern paint and varnish manufacturer. Excellent postwar prospects. Give full details about self, draft status and salary expected. BOX 372, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMICAL ENGINEER, thoroughly experienced in oil refining and vegetable oil factionation and segregation. This is a permanent position with large manufacturer in Chicago area, offering unusual postwar opportunities. Replies should give full information and will be treated in strictest confidence. Please answer in fullest detail. BOX 373, Oil, Paint and Drug Reporter.

TABLET MEN—Experienced granulators, compression men and coaters. Also have an excellent opening for a man capable of managing tablet department. Opportunity for permanent connection with established and reputable concern. BOX 392, Oil, Paint and Drug Reporter.

CHEMIST'S ASSISTANT wanted for color manufacturing plant metropolitan area. Opportunity for beginner. Permanent; state experience if any, availability, age, salary desired and qualifying details such as education and previous employment. BOX 406, Oil, Paint and Drug Reporter.

SUPERINTENDENT'S ASSISTANT wanted for small color plant with general repair and maintenance experience; permanent; metropolitan area. Write fully in confidence, giving age, availability, salary desired. BOX 407, Oil, Paint and Drug Reporter.

SALESMAN WANTED—Old established manufacturers' agent, distributor and importer of industrial chemicals, raw materials has an opening for man in metropolitan area. Write fully giving all details, which will be treated strictly confidentially. BOX 409, Oil, Paint and Drug Reporter.

SALESMAN WANTED with contacts in the pharmaceutical and chemical industry by manufacturing concern. Excellent opportunity for experienced, capable man. State experience, education, references, salary required for start. BOX 417, Oil, Paint and Drug Reporter.

—Continued on page 70

FOR SALE

8—Elmes 4" ram Hydraulic Presses.
2—4 x 6' Atmospheric Drum Dryers.
1—No. 30 Day Imperial Mixer.
1—6 x 15' Allis Chalmers Tube Mill.
4—Colloid Mills: 1, 5 and 40 hp.
3—3-roll Mills: 9 x 24, 12 x 30.
4—Lead Lined Tanks, 400-1000 gallons.
2—1000 lb. Powder Mixers.
1—No. 150 Kelly Filter.
2—Lard Rolls: 4 x 9' single, 2 x 5' double.
1—40" Tolhurst copper basket Centrifugal.
2—(New) Triangle Filling Lines.
7—Watson-Stillman 6 ton hyd. Arbor Presses.
2—No. 2 and No. 3 Austin Gyratory Crushers.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

SPECIALS

Powder Mixer, Stainless Steel, 800 pounds.
Pfaudler 1,000 Gal. Closed G. L. Tank.
Pfaudler 600 Gal. Open G. L. Tank.
Sperry 36" C. I. Filter Press, C. D.
Sperry 42" Wd. Filter Press, C. D.
Shriver 24" Wd. Filter Press, C. D.
Abbe No. 3 Pebble Mill, 300 Gallon.

Send us lists of your surplus now.

MACHINERY & EQUIPMENT CORPORATION (of N. Y.)
533 West Broadway New York 12, N. Y.
GR-5-6680

SPECIALS!

2—6'x5' JACKETED CLOSED PRESSURE KETTLES.
2—JACKETED STILLS, 500 AND 350 GAL. WITH STEEL COLUMNS AND CONDENSERS.
4—JACKETED, AGITATED STEEL KETTLES, 650, 600, GAL.
1—W. & P. 150 GAL. STAINLESS STEEL LINED DOUBLE ARM MIXER.
3—COLTON NO. 2 ROTARY TABLET MACHINES.
1—STOKES "D" ROTARY TABLET MACHINE.
2—Colton No. 2-B Single Punch Tablet Machines.
1—Fitz-Killion Rotary Tablet machine, up to ¾".
2—Single Punch Tablet Machines.
2—J. H. Day 30" Copper Coatings and Polishing Pans.
1—W. & P. 20 gal. Double Arm Mixer.
2—Ermold Semi-Automatic Labelers.
1—Patterson 3'x4' Porcelain Lined Pebble Mill, motor-driven.
1—Patterson 5'x4' Silex Lined Pebble Mill, motor-driven.
3—J. H. Day 80-gal. Lead Mixers.
2—J. H. Day Twin 80-gal. Lead Mixers.
2—Fletcher 40" Centrifugals, motor driven, bottom discharge with Louis Allis 10 HP High Torque Motors, 3/60/220 volt
1—Shriver Diaphragm Pump, 4 gpm, 5 HP motor.
3—Oliver Rotary Filters, 5'x8', 8'x8', 8'x11'.
5—Shriver and Independent 24", 36", 42" Wood Filter Presses.
1—Johnson 24" C. I. closed delivery Press, with 36 plates and frames.
20—Centrifugals, 32", 40", 48" steel bronze baskets, motor driven top bottom discharge
3—Hersey Rotary Dryers, 5'x30', 5'x21'.
1—Copper Rotary Dryer, 6'x17'.
2—Scott 3'x8' Vacuum Cookers.
1—BUFFALO 24"x20" VACUUM DRUM DRYER.
6—Rotary Dryers, 4'x30', 6'x42', 6'x60', 6'x65'.
1—Raymond Mill, No. 0000, ball bearing, with 15 HP motor.
2—Jeffrey Hammer Mills, 16"x24", 24"x18".
3—Roller Mills, 9"x24", 12"x30".
2—Tyler Screens, 3'x5', 4'x5'.
1—Stokes Steel Vacuum Pan, 10 gal.
2—1750 gal. Lead Lined Pressure Tanks.
10—Condensers, 20 to 300 sq. ft.
5—Jacketed, Closed Steel Receivers, 45, 60, 100 and 200 gal.

Miscellaneous: Complete stock: pumps, tanks, filters, boilers etc.

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

BRILL
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225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

1—F. J. Stokes 3'x15' Rotary Vac. Dryer.
1—Raymond No. 10 Imp Mill, complete.
1—3 Roll High Side Raymond Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
2—75 & 1,500 gal. lead lined closed Kettles.
1—Pfaudler 60 gal. Jack. Agit. Glass Lined Kettle.
1—Dopp 50 gal. Jacketed Kettle.
1—Dopp 80 gal. Jack. Agit. Kettle.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle. Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35 & 250 gal. Closed, Agitated, Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Netteo Drives.
4—Single Punch Preform Tablet Machine, ½" & ¾".
1—Ball & Jewell Rotary Cutters.
3—Homogenizers, 7½ & 10 HP.
25—Hydr. Presses, Pumps and Accumulators.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12" x 12" x 12" Vacuum Pumps.
3—DeLaval Separators, Lab. size & No. 302.
3—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—3 Roll water cooled 16"x10" Steel Roller Mills.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x10" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
2—Tolhurst 26" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
2—Schutz-O'Neil 16" & 20" Pulverizers.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

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Department E
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FOR SALE

4—100 gallon WERNER & PFLEIDERER mixers
3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—Kent 9 in. x 22 in. - 5 roller Hi ROLLER MILL
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10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
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Specializing in Rebuilt Machinery

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LIQUIDATING

1—500 gallon Devine High Pressure Autoclave.
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1—Rubber Lined Tank.
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4—8000 gallon Steel Pressure Tanks.
75—Ton Cast Iron Pipe, 8" to 18"
2—Bird Bronze Centrifuges.
2—Truck Dryers.
4—Permutit Water Softeners.
2—Elwell Parker Electric Trucks
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Pumps, Boilers, Generators.

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STAINLESS STEEL TANKS—new—(100 and 200 gal., dished bottoms).
STEAM JACKETED STEEL TANKS—some with agitators—25 gal. to 2,250 gal.
COPPER TANK with agitator and coil, 66" dia. x 7'.
INVINCIBLE POWER Vertical Barrel Filling & Packing Machine.
COPPER EVAPORATOR with Stokes & Condenser.
COPPER COATING PAN, 66" dia.
TANK, 8' dia. x 30', made of ⅛" plate—dished ends.
STEAM and ELECTRIC PUMPS—AIR COMPRESSORS.
2 ELECTRIC VACUUM PUMPS.
KNY-SCHEERER STERILIZER, 71½" long, 30" wide, 42" high, mounted on truck with Steam Boiler.
DEVINE JACKETED COOKER, 36 x 36, with heavy cover.
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STROPHANTHUS SEED
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WORMWOOD LEAVES
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Botanical Drugs

—*Continued from page 64*

Spices

Allspice.—Mexican material was lower at 17½c. to 18c. per pound.

Clove.—Some Zanzibar spice was offered f.o.b. St. Louis at 23c. to 23½c. per pound. There was virtually nothing openly on the spot market.

Ginger.—No. 2 Jamaica root was shaded to 26½c. to 27c. per pound and the No. 3 grade was down to 23½c. to 24c.

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KARAYA (Indian Gum) ★ LOCUST BEAN
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150 Water St., New York 7, N. Y.

Recent Imports

—Continued from page 32

HONEY—8 bbls, D Steengrafe
11 bbls, M Golodetz & Co
12 bbls, Duncan Fox & Co
MENTHOL—8 cs, W F Young, Inc
10 cs, Vick Chemical Co
50 cs, Irving Trust Co
2 cs, First National Bank
3 cs, Manufacturers Trust Co
5 cs, Chemical Bank & Trust Co
MYROBALANS—1,800 bgs, Hammond & Carpenter
1,600 bgs, Guaranty Trust Co
NIGER SEED—80 bgs, R T French Co
200 bgs, Ernest Cohen
120 bgs, Hinton & Co
60 bgs, Becker Mayer Seed Co
85 bgs, Joel Beller Export & Import Co
OIL, COCONUT—1,200 tons, United States Commercial Co
CODLIVER—25 bbls, T A Slocum
774 dms, E R Squibb & Sons
156 dms, Peter Devold Oil Co
HYDROCARPUS—1 dm, American Express Co
LEMONGRASS—30 dms, Norda Essential Oil & Chemical Co
7 dms, Givaudan Delawanna
10 dms, Dodge & Olcott Co
ORANGE—5 cs, Canadian Bank of Commerce
70 cs, Geismer & Co
1 cs, Guaranty Trust Co
6 cs, Chase National Bank & Trust Co
5 cs, Bank of the Manhattan Co
3 cs, Pan American Trust Co
5 cs, Irving Trust Co
PEPPERMINT—6 cs, Bank of Nova Scotia
PENNYWORT, INDIAN—120 bgs, Peek & Velsor
POPPYSEED—190 bgs, R F Downing & Co
60 bgs, Hinton & Co
240 bgs, Credo Commodities Co
SANDALWOOD—32 bgs, 4,480 lbs, S B Penick & Co
150 bgs, 21,000 lbs, Murphy & Beese
BILLETS—1,937 bgs, W J Bush & Co
TAPIOCA FLOUR—1,250 bgs, United States Commercial Co
VALERIAN ROOT—100 bls, R J Prentiss & Co
WAX, BEES—5 bgs, Wax & Rosin Product, Inc
72 bgs, S C Johnson & Son
7 bgs, Silvio Gaguine & Co
30 bgs, Norda Essential Oil & Chemical Co
21 bgs, Guaranty Trust Co
6 bgs, National City Bank
1 bg, New York Trust Co
CARNAUBA—135 bgs, Wm M Allison & Co
555 bgs, W R Grace & Co
78 bgs, Bank of Manhattan Co
84 bgs, J Henry Schroeder Banking Corp
632 bgs, American Cyanamid & Chemical Corp
15 bgs, Marine Midland Trust Co
OURICURY—122 bgs, Wm M Allison & Co
224 bgs, American Cyanamid & Chemical Corp
67 bgs, Baird Rubber Co
67 bgs, E A Bromund Co
200 bgs, Innis, Speiden & Co
67 bgs, Paul & Stein Bros
67 bgs, Smith & Nichols

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GUMS:
GUM ARABIC
GUM ARABIC BLEACHED
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
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CASEIN

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COUMARIN
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EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX

CHICAGO: 919 N. MICHIGAN AVE.,
TEL. SUP. 2462

Business Wants

—Continued from page 69

Positions Vacant

INDUSTRIAL FINISHES salesman, also service man wanted, for New England, also New York State, served by eastern plant of reputable large manufacturer of synthetics, enamels, varnishes, lacquers. Salesman and service man must be experienced with large industrial consumers. Technical background preferred. Submit full qualifications and detailed information in first letter. Will be held in strict confidence. **BOX 408, Oil, Paint and Drug Reporter.**

CHEMICAL SALES—Well-known industrial chemicals producer with New York executive offices and national distribution to the major fields of application for organic and inorganic chemicals, solicits applications from young chemists or chemical engineers interested in a technical sales career. In applying, please include summary of training and experience (if any), indicate preferred geographical location and salary expectations. Give the customary personal details and enclose an inexpensive recent photograph. **BOX 410, Oil, Paint and Drug Reporter.**

SALESMAN WANTED by an old established firm, with some experience in selling chemicals or allied lines. Local now, later partly out of town. Write full particulars. Salary $35.00. **BOX 411, Oil, Paint and Drug Reporter.**

COLOR MATCHER—Attractive position open to aggressive man, knowledge printing inks, varnishes, dry pigment colors. Chemical knowledge desirable. State nature and length of experience. **BOX 412, Oil, Paint and Drug Reporter.**

WISH TO interview experienced, competent, energetic starch chemist with former experience in the development of new products and control or production of old forms of starch adhesives. In replying please state age, nationality, where born and when available. Permanent position with old-established firm. **BOX 413, Oil, Paint and Drug Reporter.**

CHEMIST—Excellent opportunity in expanding plant, one hour from New York. Experience in resin and plastic coating applications on textiles. Give full details. **BOX 414, Oil, Paint and Drug Reporter.**

CHEMICAL TRADER—Growing progressive concern offers profit-sharing arrangement to experienced man. Write details about previous employment, background and experience. **BOX 416, Oil, Paint and Drug Reporter.**

Positions Wanted

GENERAL MANAGER of medium-sized paint or lacquer company specializing in industrial coatings. Location New York or Jersey area. Thorough chemical training and broad experience in management, production, sales and purchases. Substantial salary, plus bonus based on sales increase. Age 48. Excellent record. **BOX 379, Oil, Paint and Drug Reporter.**

SALES ENGINEER—Graduate chemical engineer with excellent sales record wants pigments, oils, resins, solvents, chemicals, etc., to sell paint, rubber, printing ink, ceramic, etc., industries in Cleveland, Akron, Detroit. Can handle on brokerage or as part-time employee. **BOX 381, Oil, Paint and Drug Reporter.**

INDUSTRIAL CHEMIST, extensive, diversified and practical experience in water treatments, rust inhibitors and industrial chemical products. Desires a responsible non-laboratory position requiring initiative, business and chemical background. **BOX 399, Oil, Paint and Drug Reporter.**

CHEMIST, production manager, well experienced coating materials, and glazing and caulking compounds, sales ability, desires to change present connection because possibilities too limited. Seek connection with a small progressive company on a profit-sharing or partnership basis. Free to locate anywhere. **BOX 405, Oil, Paint and Drug Reporter.**

Processes Wanted

PRODUCTION PROCESSES wanted for organic synthetics, medicinals, insecticides, aminoacids, vitamins, hormons. Payment cash and royalty or interesting position in research and production. **BOX 418, Oil, Paint and Drug Reporter.**

Burtch Succeeds Walters In SWPC Chicago Office

Thomas W. Burtch, principal procurement officer for the Smaller War Plants Corporation in the California regional office, has been appointed regional director for SWPC in Chicago. He succeeds Don W. Walters, who resigned last week to accept employment with a research organization in Spokane, Wash.

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OPD—10-2-1944

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Best value among the efficient, true plasticizers for nitrocellulose, U. S. I. Diamyl Phthalate combines low weight — and therefore low cost per gallon — with permanence, strong solvent power, light-fastness, and lack of color, odor, and taste. Its low vapor pressure gives it great retentivity in lacquer films.

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For full details, consult our nearest district office: Baltimore, Boston, Charlotte, Chicago, Cleveland, Kansas City,* New York, Philadelphia, San Francisco. Or write direct to: E. I. du Pont de Nemours & Co. (Inc.), Electrochemicals Department, Wilmington 98, Delaware. *Barada & Page, Inc.

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